

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040324\
 Data File : VW034945.D
 Acq On : 03 Apr 2024 09:27
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 04 02:46:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 03 05:08:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	181988	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	182256	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	90666	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	77805	5.188	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.800%
7) Chloroethane-d5	1.532	69	63923	5.169	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.400%
11) 1,1-Dichloroethene-d2	2.056	65	34865	5.118	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.400%
20) 2-Butanone-d5	3.850	46	115016	49.012	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.020%
24) Chloroform-d	4.246	84	129334	5.329	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.600%
26) 1,2-Dichloroethane-d4	4.947	65	58920	5.376	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.600%
32) Benzene-d6	4.957	84	251548	5.276	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.600%
36) 1,2-Dichloropropane-d6	5.989	67	75416	5.390	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.800%
41) Toluene-d8	7.239	98	233883	5.400	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.000%
43) trans-1,3-Dichloroprop...	7.555	79	24462	4.921	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.400%
46) 2-Hexanone-d5	8.030	63	87477	51.275	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.560%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	53235	5.453	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.000%
66) 1,2-Dichlorobenzene-d4	11.558	152	74238	5.198	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	75748	5.408	ug/L	99
3) Chloromethane	1.214	50	93518	5.505	ug/L	98
5) Vinyl chloride	1.281	62	98959	5.447	ug/L	100
6) Bromomethane	1.487	94	54768	5.280	ug/L	98
8) Chloroethane	1.548	64	62048	5.313	ug/L	99
9) Trichlorofluoromethane	1.712	101	130533	5.405	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	78940	5.336	ug/L	99
12) 1,1-Dichloroethene	2.066	96	73631	5.329	ug/L	96
13) Acetone	2.169	43	38303	22.375	ug/L	85
14) Carbon disulfide	2.236	76	213788	5.194	ug/L	99
15) Methyl Acetate	2.394	43	25209	5.335	ug/L	96
16) Methylene chloride	2.445	84	83689	5.521	ug/L	95
17) Methyl tert-butyl Ether	2.706	73	165307	5.556	ug/L	100
18) trans-1,2-Dichloroethene	2.693	96	73334	5.355	ug/L	94
19) 1,1-Dichloroethane	3.108	63	146717	5.430	ug/L	100
21) 2-Butanone	3.915	43	122310	44.579	ug/L	93
22) cis-1,2-Dichloroethene	3.815	96	75530	5.266	ug/L	98
23) Bromochloromethane	4.149	128	33364	5.540	ug/L	98
25) Chloroform	4.272	83	145459	5.421	ug/L	100

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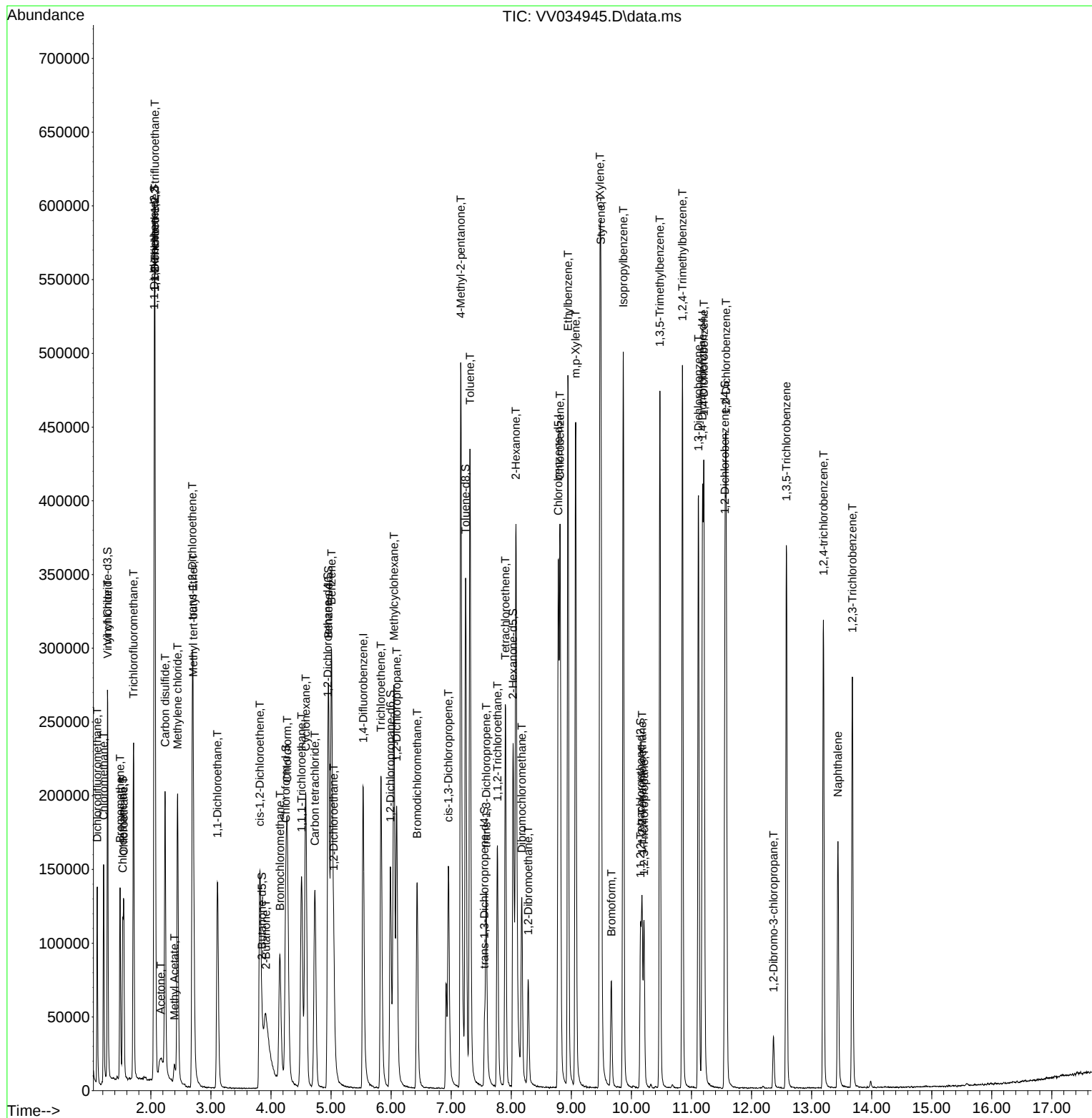
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	85811	5.682	ug/L	99
29) 1,1,1-Trichloroethane	4.510	97	119409	5.346	ug/L	98
30) Cyclohexane	4.580	56	107076	5.204	ug/L	97
31) Carbon tetrachloride	4.731	117	102710	5.373	ug/L	100
33) Benzene	5.008	78	311163	5.576	ug/L	100
34) Trichloroethene	5.831	95	78084	5.371	ug/L	98
35) Methylcyclohexane	6.047	83	112239	5.069	ug/L	100
37) 1,2-Dichloropropane	6.092	63	78770	5.445	ug/L	100
38) Bromodichloromethane	6.432	83	99835	5.470	ug/L	95
39) cis-1,3-Dichloropropene	6.953	75	99992	5.145	ug/L	95
40) 4-Methyl-2-pentanone	7.159	43	362898	55.594	ug/L	100
42) Toluene	7.313	91	321365	5.479	ug/L	98
44) trans-1,3-Dichloropropene	7.583	75	84519	5.246	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	52379	5.510	ug/L	99
47) Tetrachloroethene	7.902	164	57602	5.274	ug/L	99
48) 2-Hexanone	8.079	43	267298	54.242	ug/L	99
49) Dibromochloromethane	8.175	129	61945	5.536	ug/L	98
50) 1,2-Dibromoethane	8.281	107	49918	5.578	ug/L	99
51) Chlorobenzene	8.812	112	204510	5.397	ug/L	100
52) Ethylbenzene	8.944	91	340044	5.368	ug/L	99
53) m,p-Xylene	9.072	106	123757	5.320	ug/L	100
54) o-Xylene	9.477	106	122716	5.377	ug/L	96
55) Styrene	9.493	104	211683	5.768	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	61421	5.406	ug/L	98
59) Bromoform	9.667	173	32978	5.852	ug/L	98
60) Isopropylbenzene	9.866	105	313730	5.536	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	45424	5.367	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	246720	5.300	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	259518	5.495	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	157130	5.433	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	157380	5.433	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	146816	5.495	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	9373	5.387	ug/L	92
69) 1,3,5-Trichlorobenzene	12.580	180	112340	5.173	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	98042	5.812	ug/L	100
71) Naphthalene	13.438	128	136261	5.748	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	85262	5.747	ug/L	99

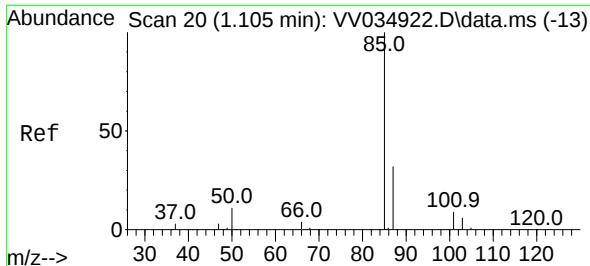
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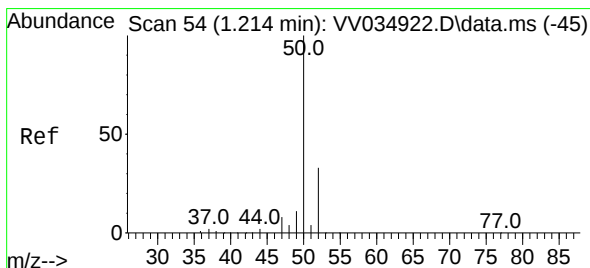
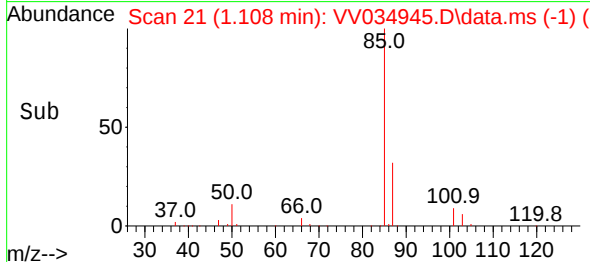
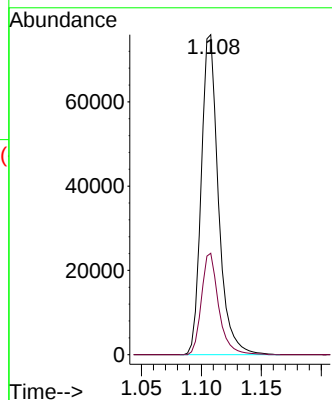
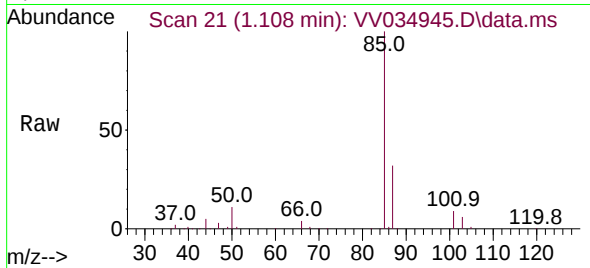




#2
Dichlorodifluoromethane
Concen: 5.408 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

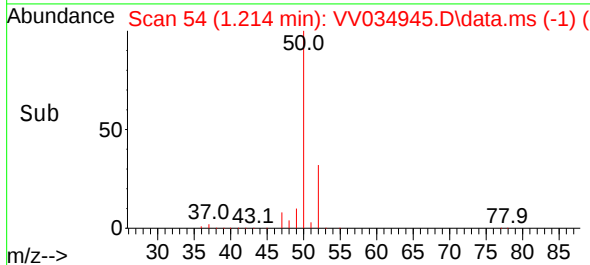
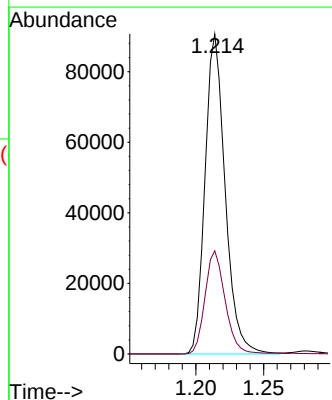
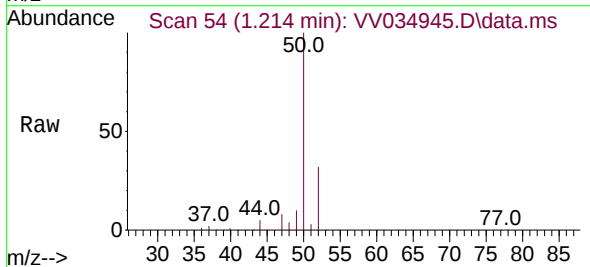
Instrument :
MSVOA_V
ClientSampleId :

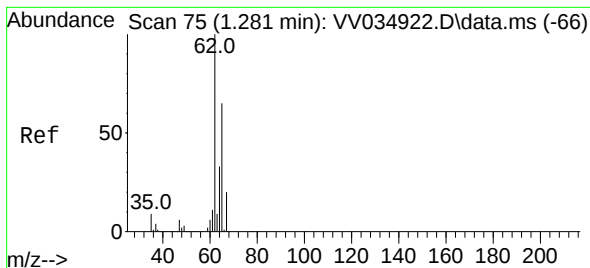
Tgt Ion: 85 Resp: 75748
Ion Ratio Lower Upper
85 100
87 31.8 25.7 38.5



#3
Chloromethane
Concen: 5.505 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

Tgt Ion: 50 Resp: 93518
Ion Ratio Lower Upper
50 100
52 32.3 23.4 43.4





#5

Vinyl chloride

Concen: 5.447 ug/L

RT: 1.281 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

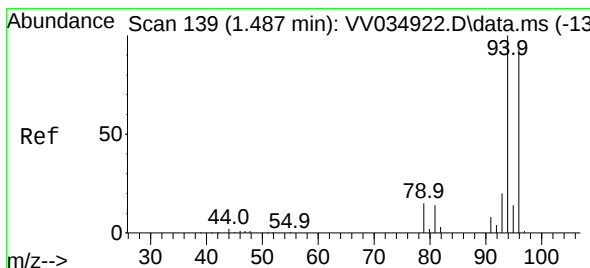
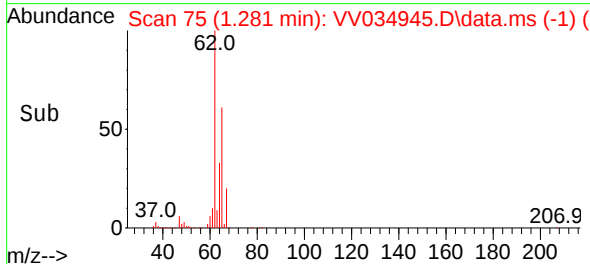
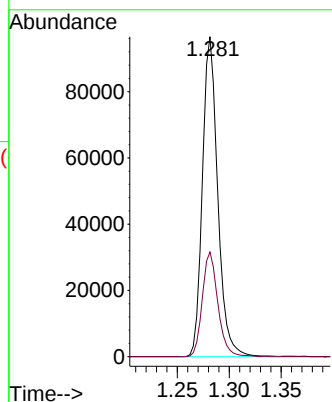
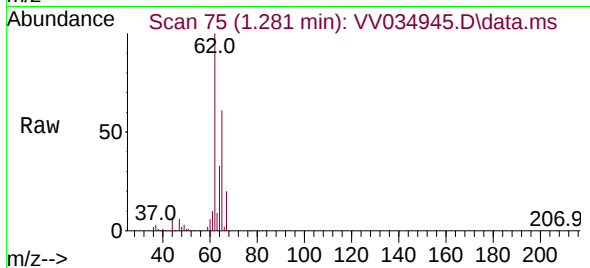
ClientSampleId :

Tgt Ion: 62 Resp: 98959

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



#6

Bromomethane

Concen: 5.280 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV034945.D

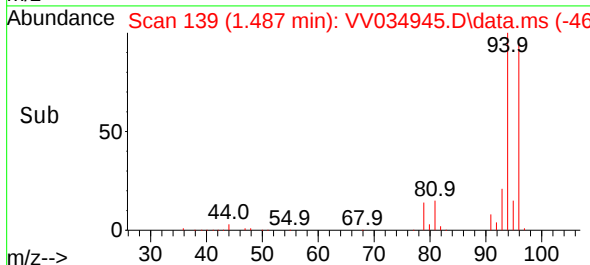
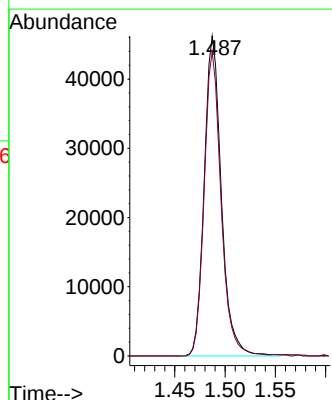
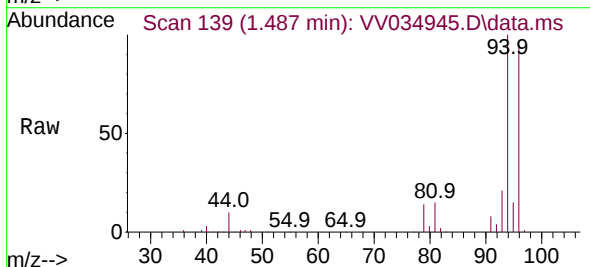
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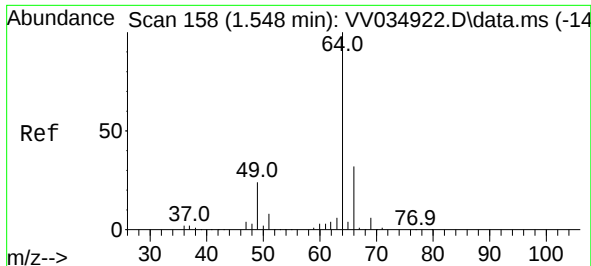
Tgt Ion: 94 Resp: 54768

Ion Ratio Lower Upper

94 100

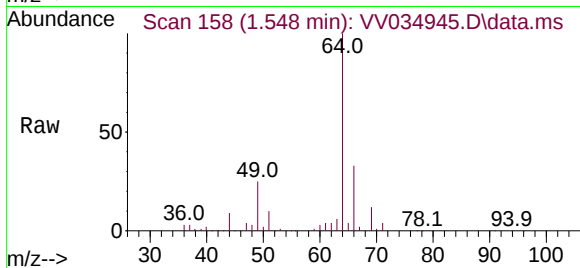
96 95.1 65.4 121.4



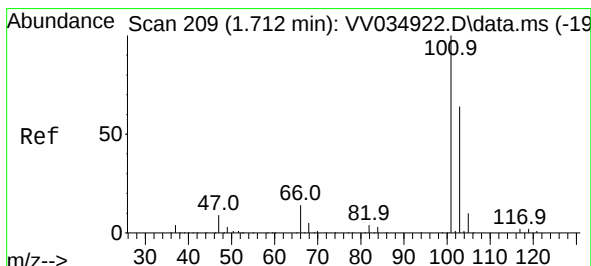
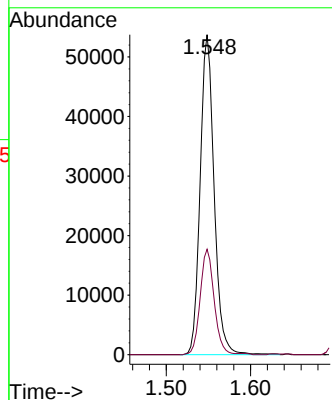
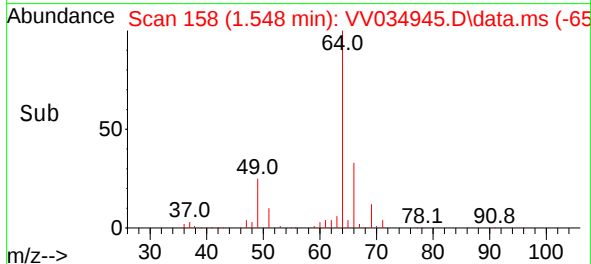


#8
Chloroethane
Concen: 5.313 ug/L
RT: 1.548 min Scan# 158
Delta R.T. 0.000 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

Instrument :
MSVOA_V
ClientSampleId :

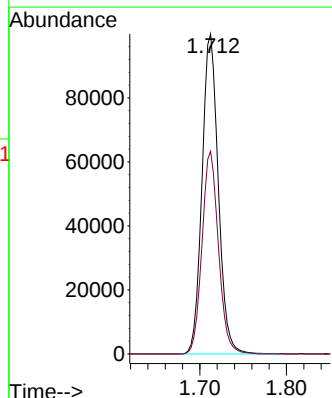
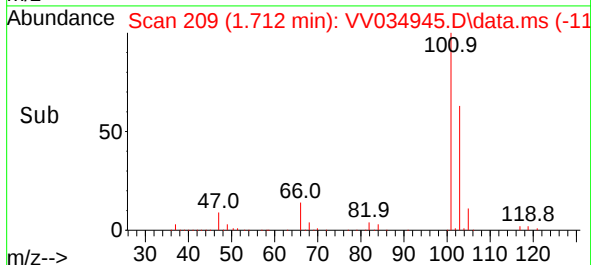
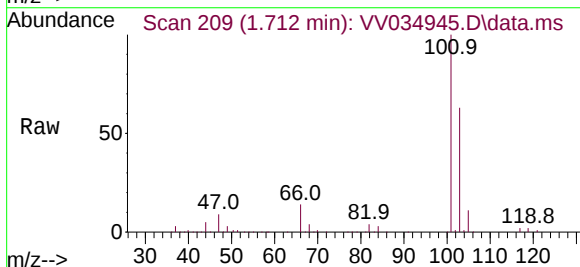


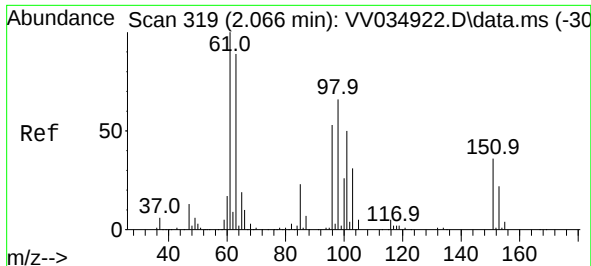
Tgt Ion: 64 Resp: 62048
Ion Ratio Lower Upper
64 100
66 32.9 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.405 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

Tgt Ion:101 Resp: 130533
Ion Ratio Lower Upper
101 100
103 63.9 51.9 77.9

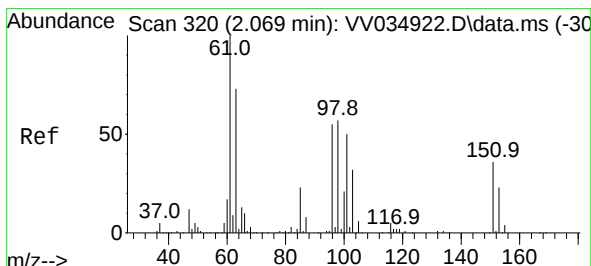
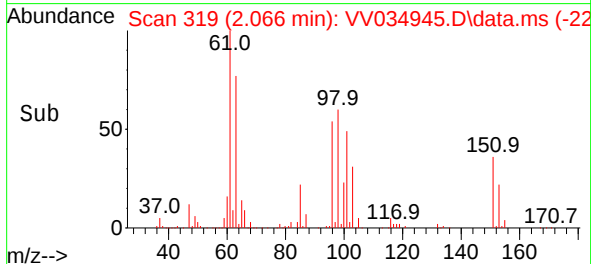
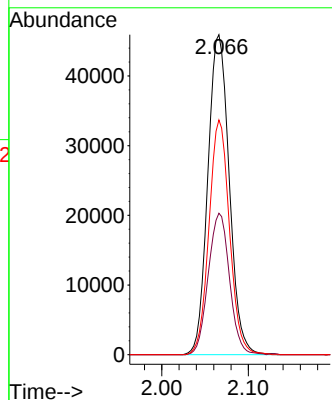
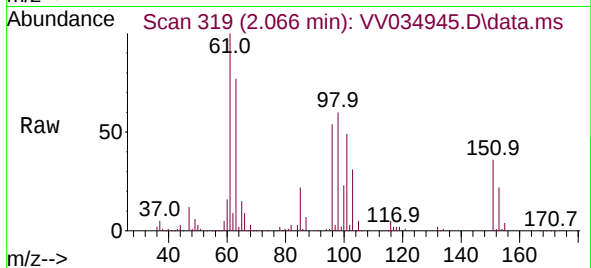




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.336 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VV034945.D
 Acq: 03 Apr 2024 09:27

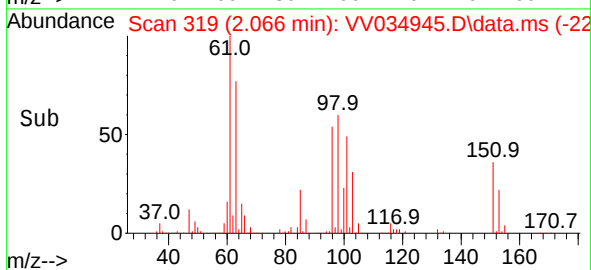
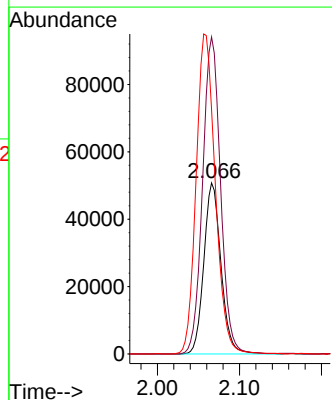
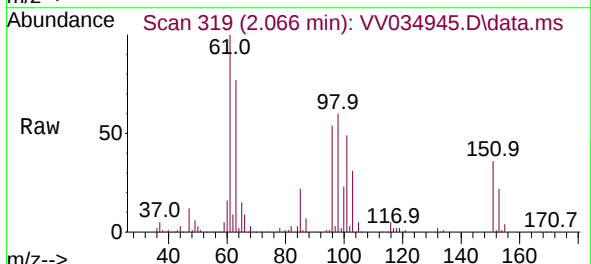
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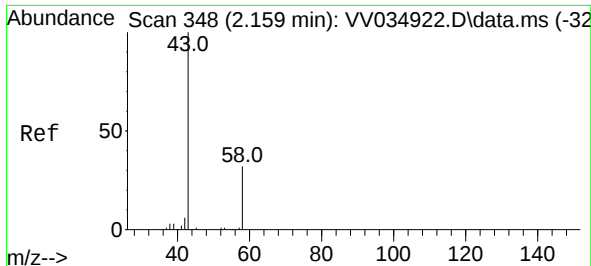
Tgt Ion:101 Resp: 78940
 Ion Ratio Lower Upper
 101 100
 85 43.9 36.2 54.4
 151 70.3 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 5.329 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.003 min
 Lab File: VV034945.D
 Acq: 03 Apr 2024 09:27

Tgt Ion: 96 Resp: 73631
 Ion Ratio Lower Upper
 96 100
 61 185.3 128.1 237.9
 63 143.0 93.5 173.7





#13

Acetone

Concen: 22.375 ug/L

RT: 2.169 min Scan# 3

Delta R.T. 0.010 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

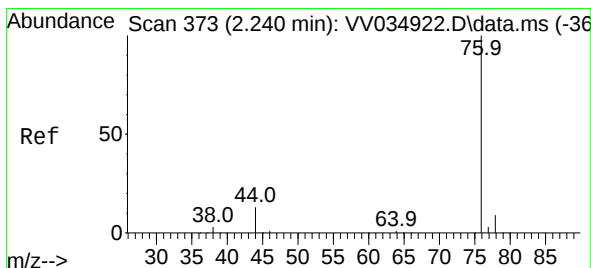
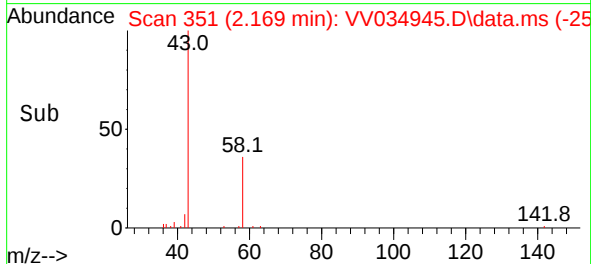
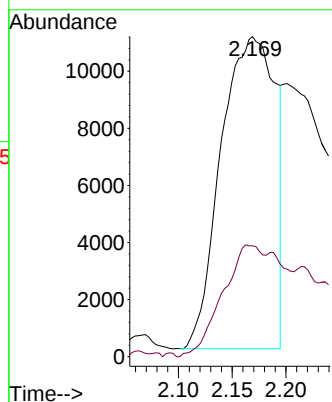
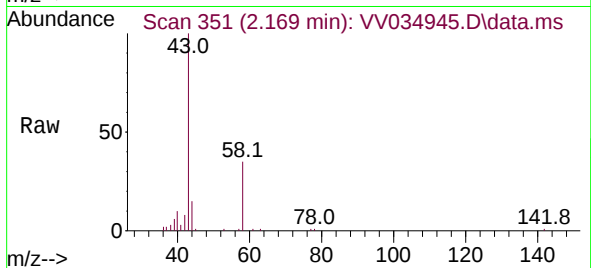
ClientSampleId :

Tgt Ion: 43 Resp: 38303

Ion Ratio Lower Upper

43 100

58 27.5 0.0 40.8



#14

Carbon disulfide

Concen: 5.194 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.003 min

Lab File: VV034945.D

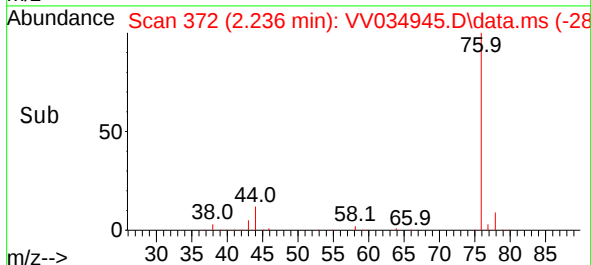
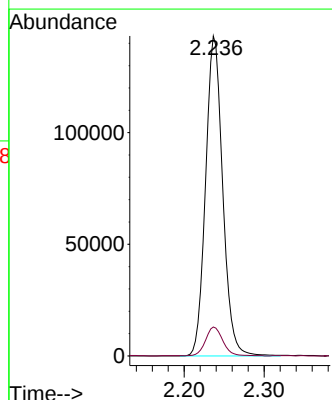
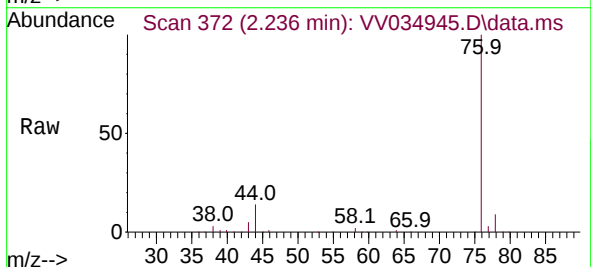
Acq: 03 Apr 2024 09:27

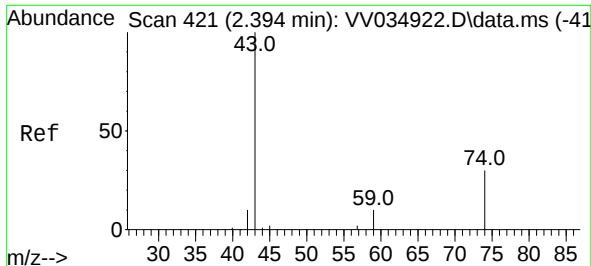
Tgt Ion: 76 Resp: 213788

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15

Methyl Acetate

Concen: 5.335 ug/L

RT: 2.394 min Scan# 41

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

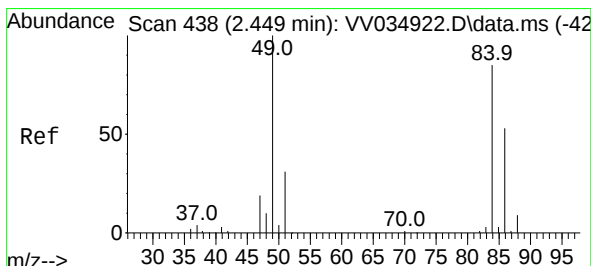
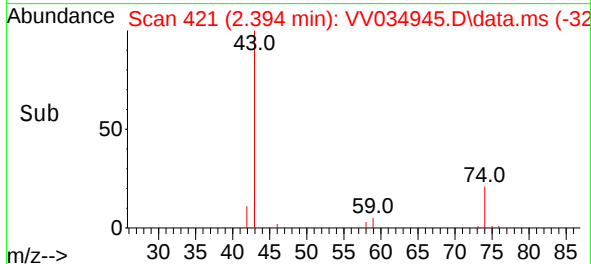
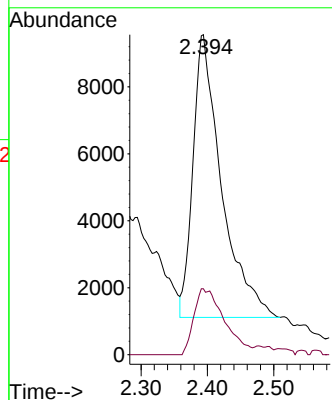
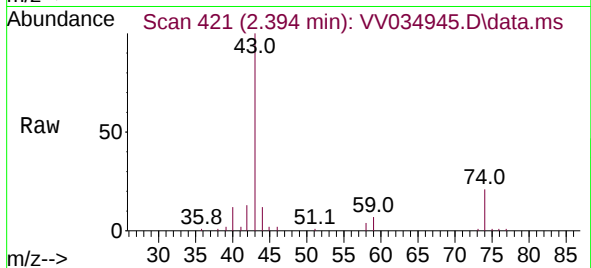
ClientSampleId :

Tgt Ion: 43 Resp: 25209

Ion Ratio Lower Upper

43 100

74 25.0 18.5 27.7



#16

Methylene chloride

Concen: 5.521 ug/L

RT: 2.445 min Scan# 437

Delta R.T. -0.003 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

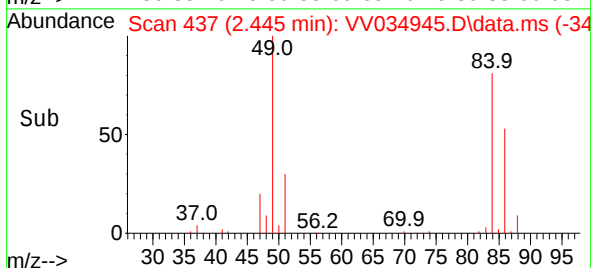
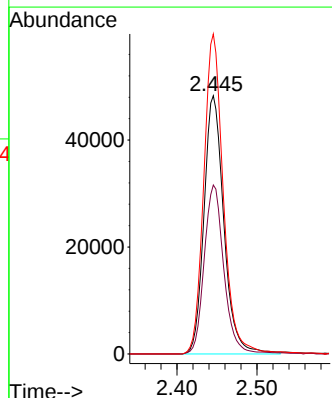
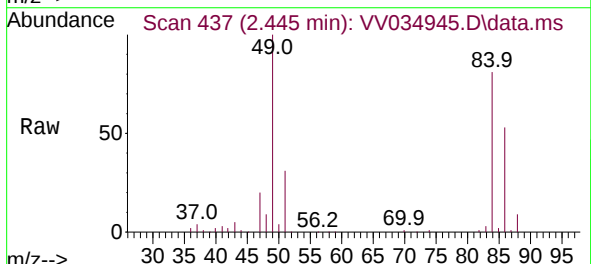
Tgt Ion: 84 Resp: 83689

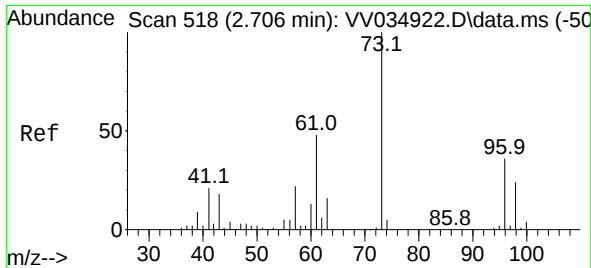
Ion Ratio Lower Upper

84 100

86 65.5 43.5 80.9

49 123.9 82.5 153.3

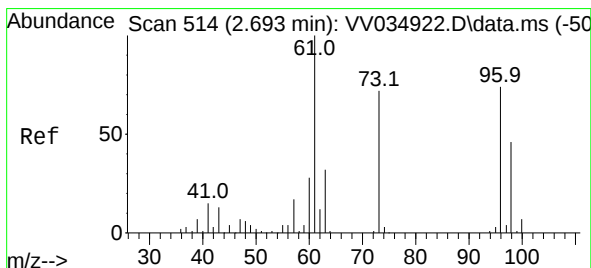
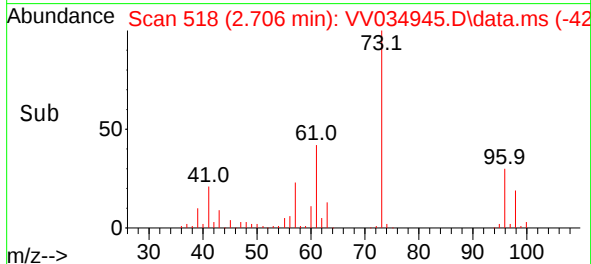
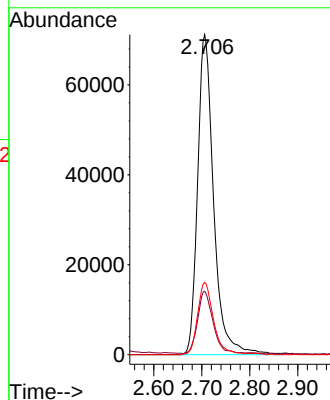
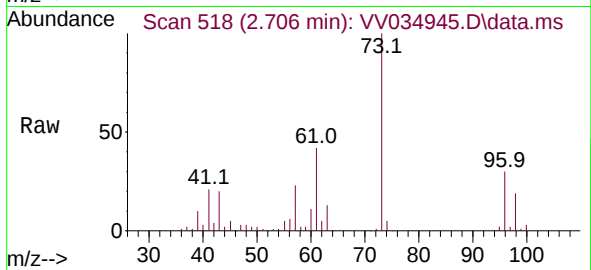




#17
Methyl tert-butyl Ether
Concen: 5.556 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

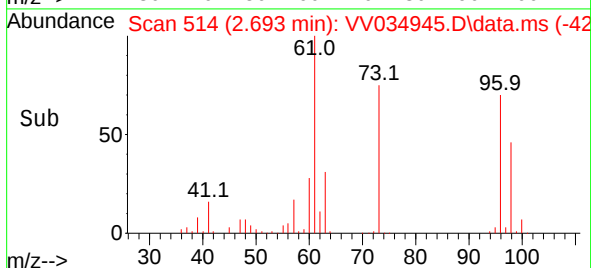
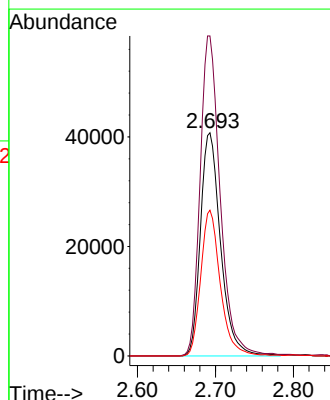
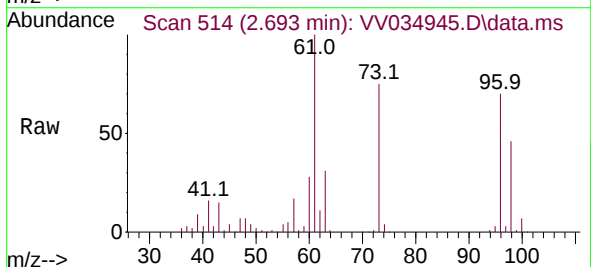
Instrument :
MSVOA_V
ClientSampleId :

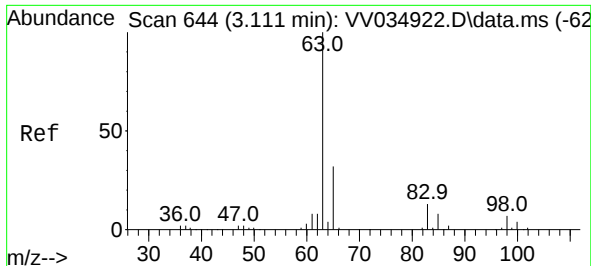
Tgt Ion: 73 Resp: 165307
Ion Ratio Lower Upper
73 100
43 18.4 14.8 22.2
57 22.3 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 5.355 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

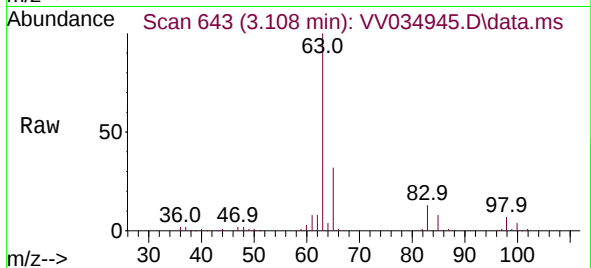
Tgt Ion: 96 Resp: 73334
Ion Ratio Lower Upper
96 100
61 143.4 94.5 175.5
98 65.3 43.5 80.9



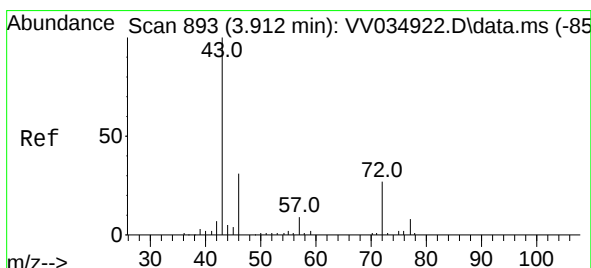
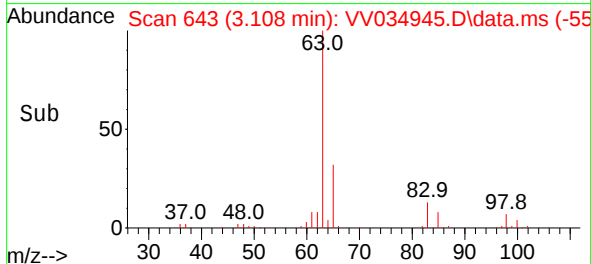
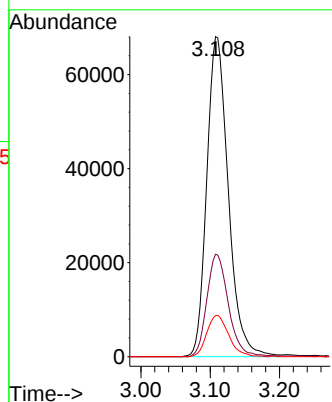


#19
1,1-Dichloroethane
Concen: 5.430 ug/L
RT: 3.108 min Scan# 644
Delta R.T. -0.003 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

Instrument :
MSVOA_V
ClientSampleId :

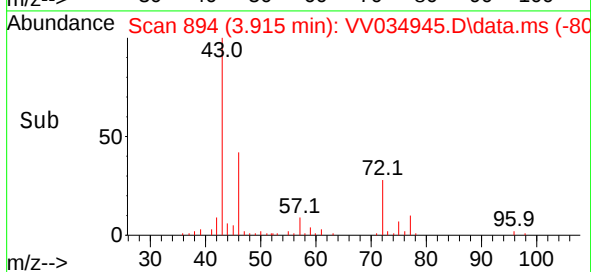
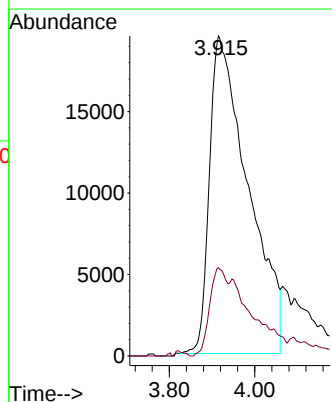
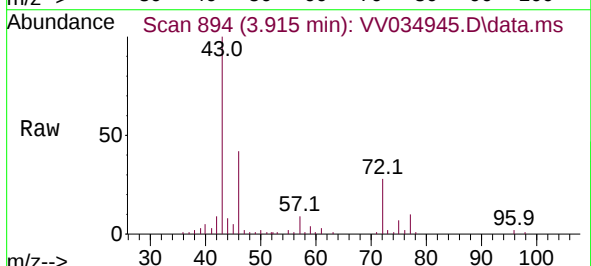


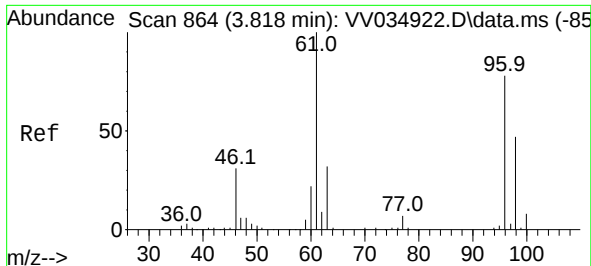
Tgt Ion: 63 Resp: 146717
Ion Ratio Lower Upper
63 100
65 32.0 22.5 41.9
83 12.9 9.1 16.9



#21
2-Butanone
Concen: 44.579 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.003 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

Tgt Ion: 43 Resp: 122310
Ion Ratio Lower Upper
43 100
72 12.1 7.5 22.5





#22

cis-1,2-Dichloroethene

Concen: 5.266 ug/L

RT: 3.815 min Scan# 864

Delta R.T. -0.003 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

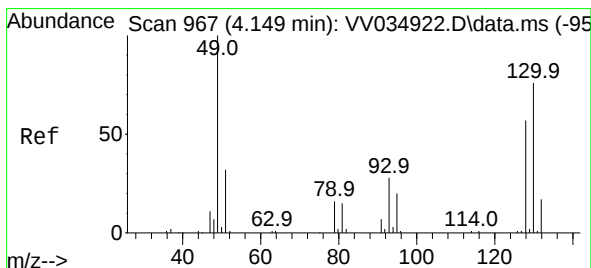
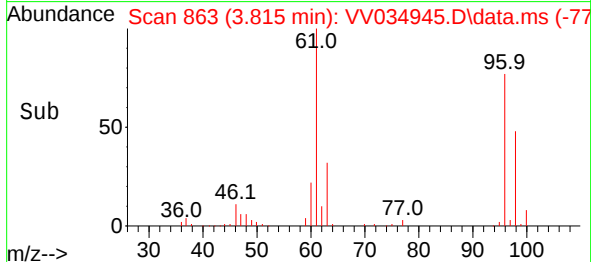
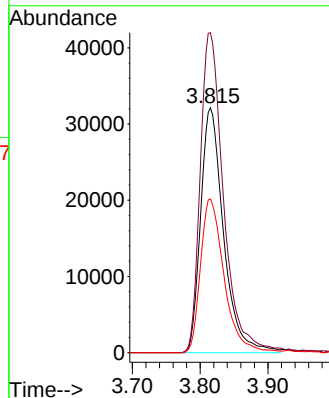
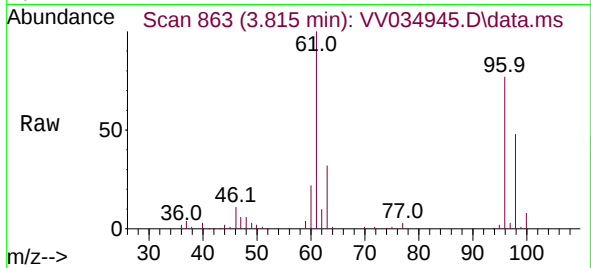
Tgt Ion: 96 Resp: 75530

Ion Ratio Lower Upper

96 100

61 130.6 90.3 167.7

98 62.8 42.7 79.3



#23

Bromochloromethane

Concen: 5.540 ug/L

RT: 4.149 min Scan# 967

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Tgt Ion: 128 Resp: 33364

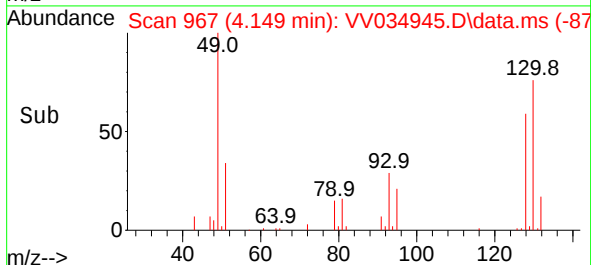
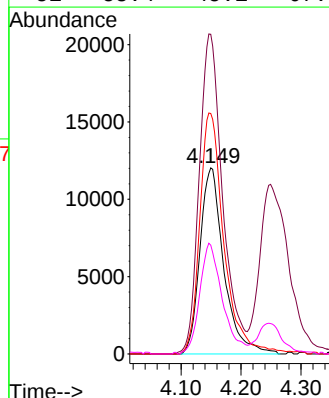
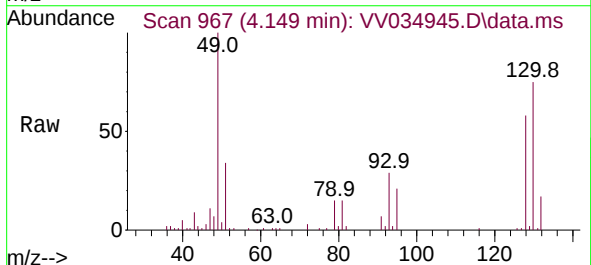
Ion Ratio Lower Upper

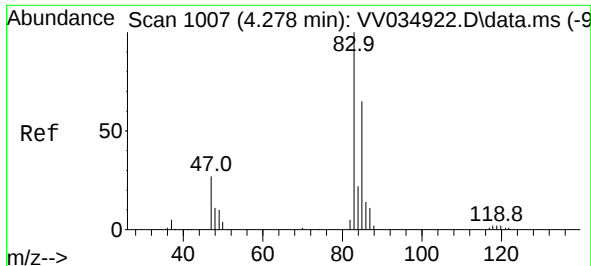
128 100

49 171.7 122.9 228.3

130 129.2 92.1 171.1

51 58.4 45.1 67.7





#25

Chloroform

Concen: 5.421 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.006 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

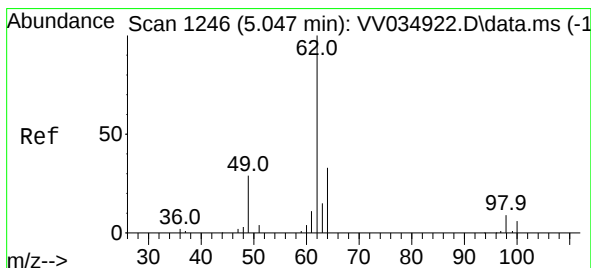
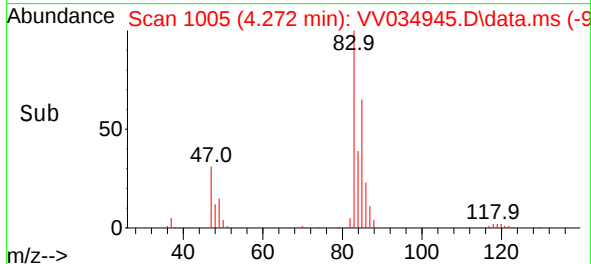
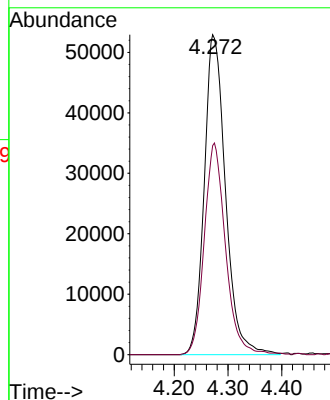
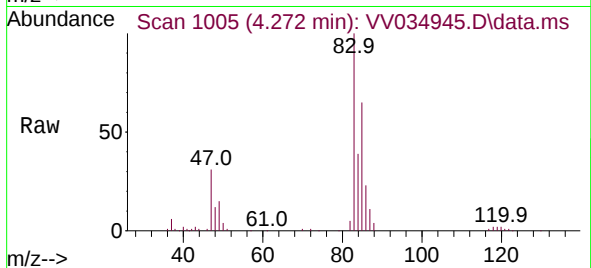
ClientSampleId :

Tgt Ion: 83 Resp: 145459

Ion Ratio Lower Upper

83 100

85 65.4 45.5 84.5



#27

1,2-Dichloroethane

Concen: 5.682 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VV034945.D

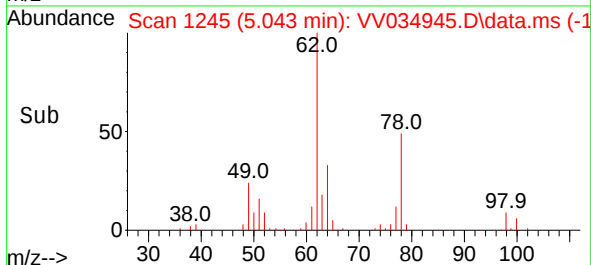
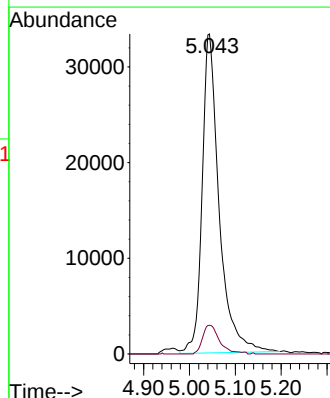
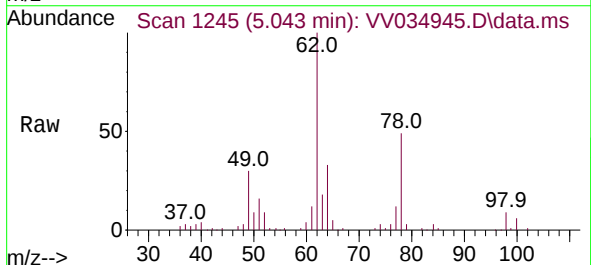
Acq: 03 Apr 2024 09:27

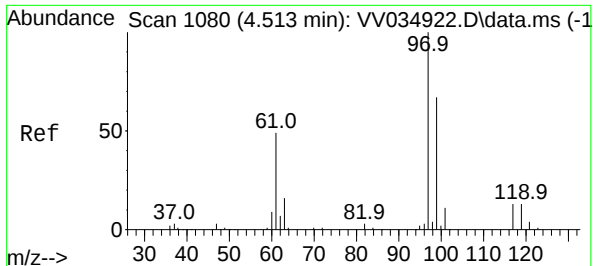
Tgt Ion: 62 Resp: 85811

Ion Ratio Lower Upper

62 100

98 9.0 7.4 11.0

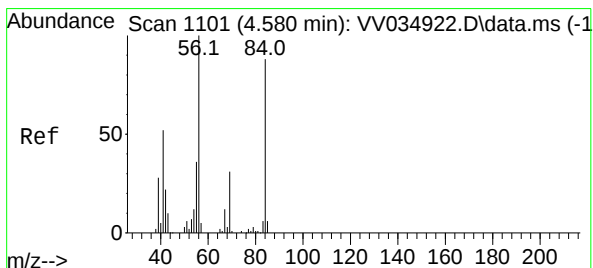
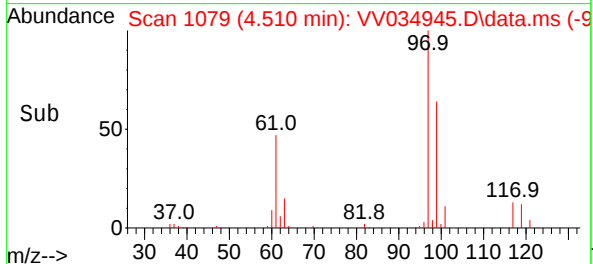
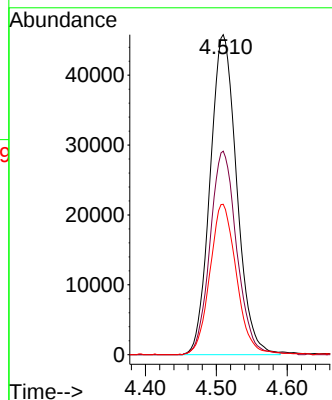
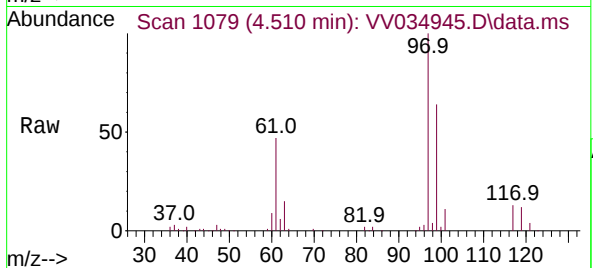




#29
1,1,1-Trichloroethane
Concen: 5.346 ug/L
RT: 4.510 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

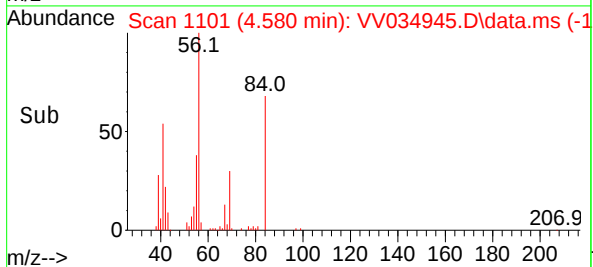
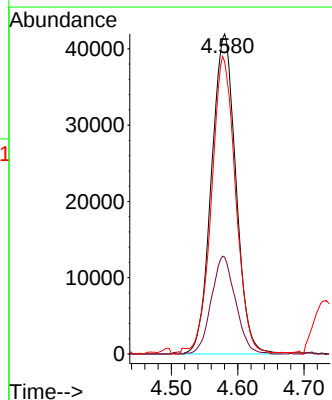
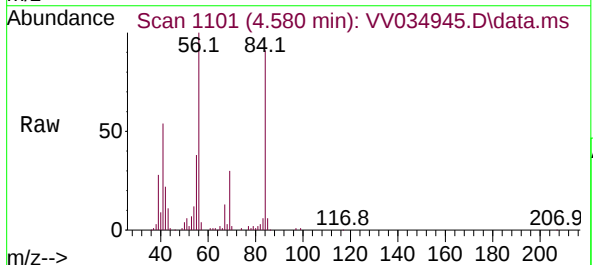
Instrument :
MSVOA_V
ClientSampleId :

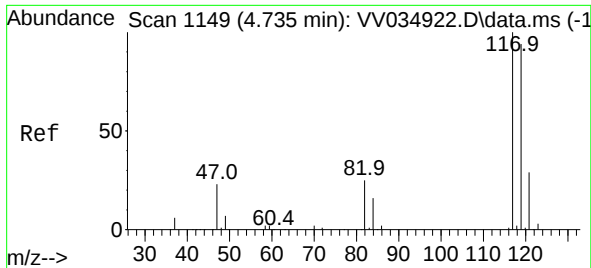
Tgt Ion: 97 Resp: 119409
Ion Ratio Lower Upper
97 100
99 64.0 52.1 78.1
61 47.1 38.7 58.1



#30
Cyclohexane
Concen: 5.204 ug/L
RT: 4.580 min Scan# 1101
Delta R.T. 0.000 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

Tgt Ion: 56 Resp: 107076
Ion Ratio Lower Upper
56 100
69 30.3 25.2 37.8
84 90.3 69.8 104.8

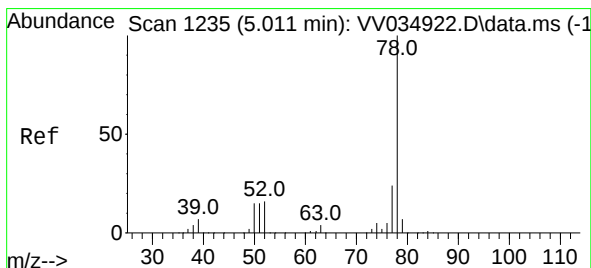
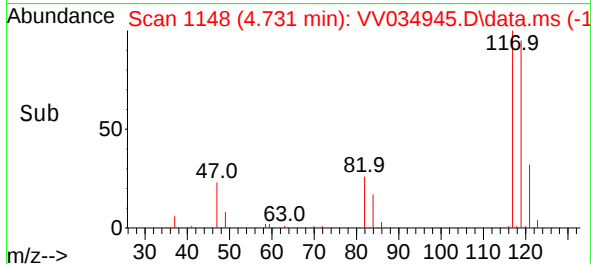
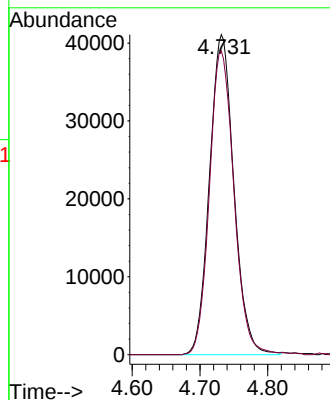
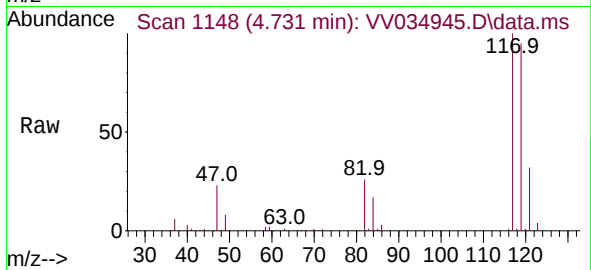




#31
Carbon tetrachloride
Concen: 5.373 ug/L
RT: 4.731 min Scan# 1148
Delta R.T. -0.003 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

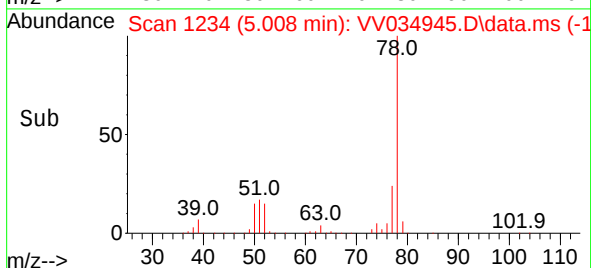
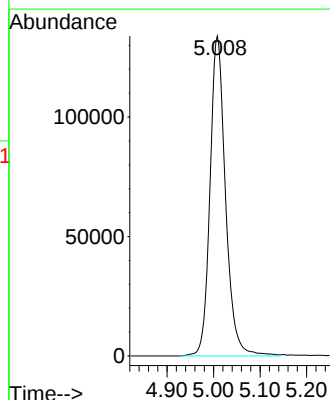
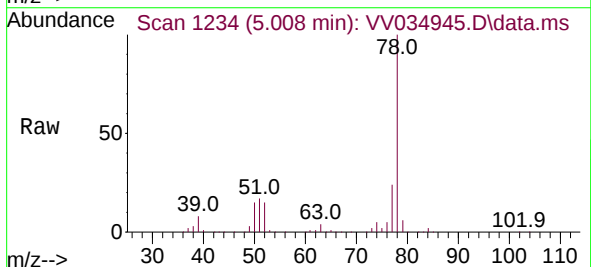
Instrument :
MSVOA_V
ClientSampleId :

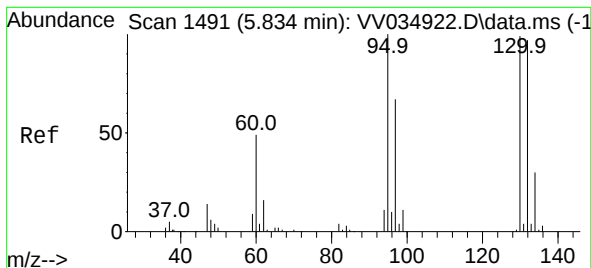
Tgt Ion:117 Resp: 102710
Ion Ratio Lower Upper
117 100
119 95.0 75.8 113.6



#33
Benzene
Concen: 5.576 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.003 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

Tgt Ion: 78 Resp: 311163





#34

Trichloroethene

Concen: 5.371 ug/L

RT: 5.831 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 78084

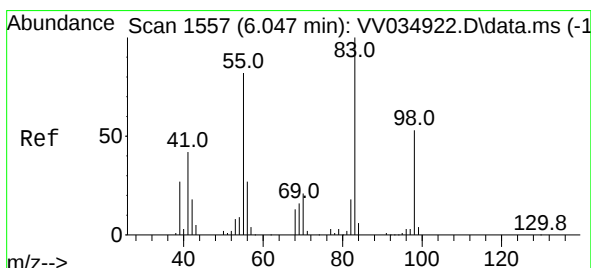
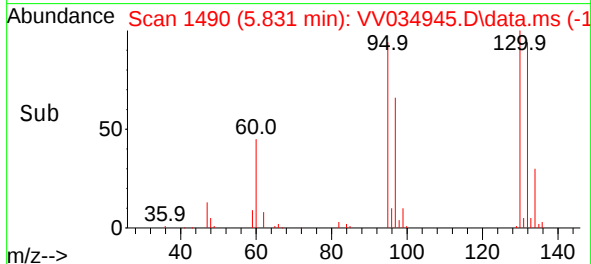
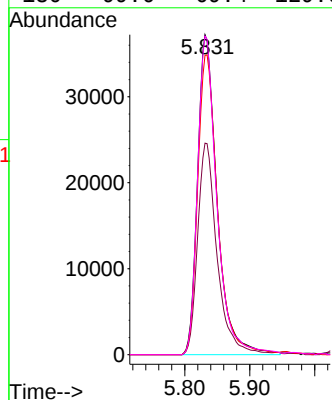
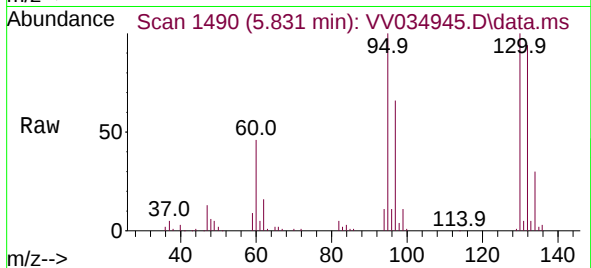
Ion Ratio Lower Upper

95 100

97 66.1 46.8 86.8

132 93.6 68.0 126.4

130 99.6 69.4 129.0



#35

Methylcyclohexane

Concen: 5.069 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

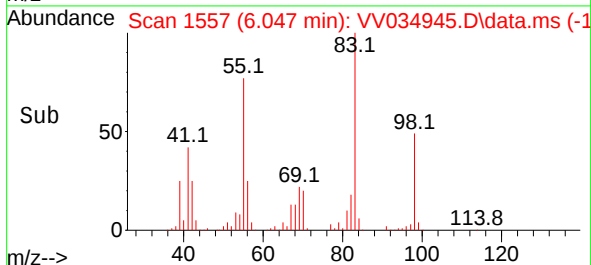
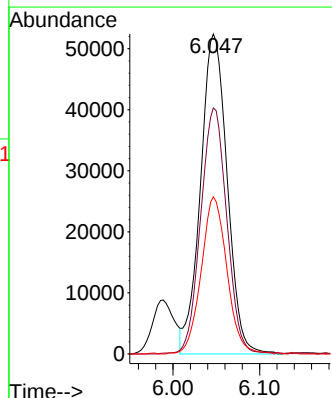
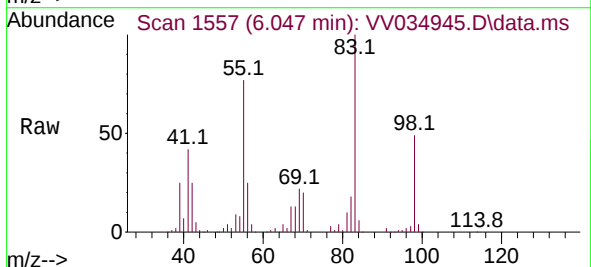
Tgt Ion: 83 Resp: 112239

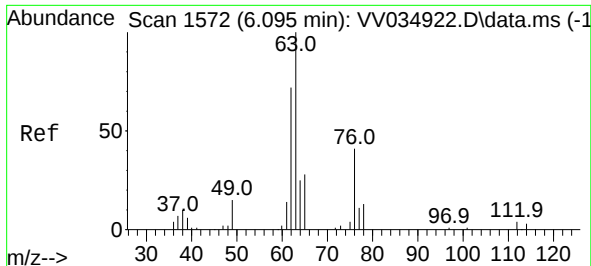
Ion Ratio Lower Upper

83 100

55 75.5 60.6 91.0

98 47.4 37.8 56.6





#37

1,2-Dichloropropane

Concen: 5.445 ug/L

RT: 6.092 min Scan# 1572

Delta R.T. -0.003 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

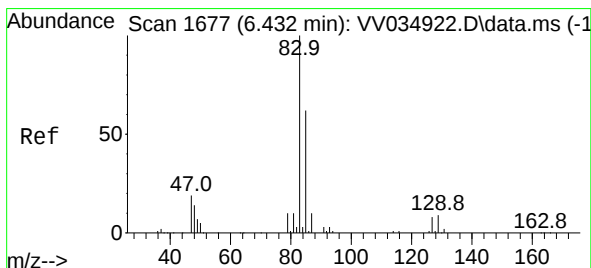
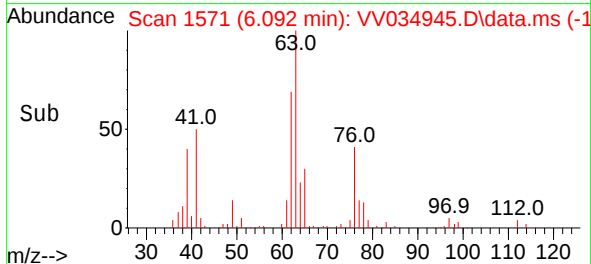
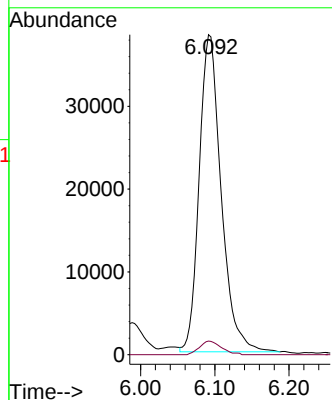
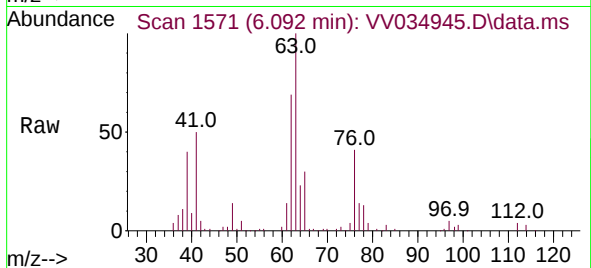
ClientSampleId :

Tgt Ion: 63 Resp: 78770

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



#38

Bromodichloromethane

Concen: 5.470 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

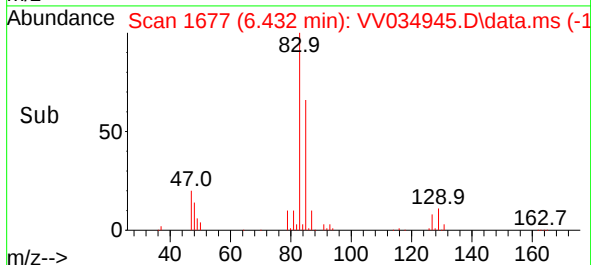
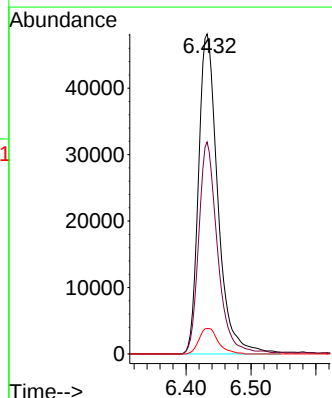
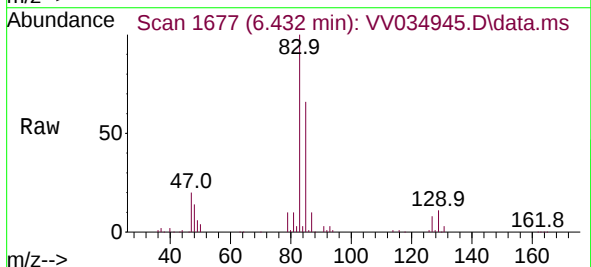
Tgt Ion: 83 Resp: 99835

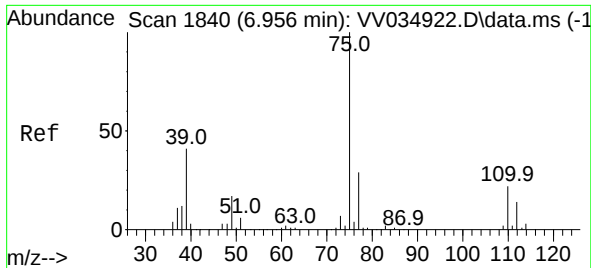
Ion Ratio Lower Upper

83 100

85 66.3 43.6 81.0

127 8.0 6.2 9.2

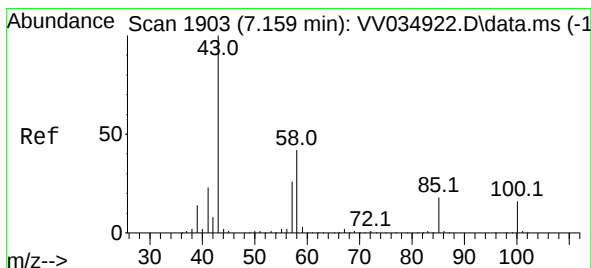
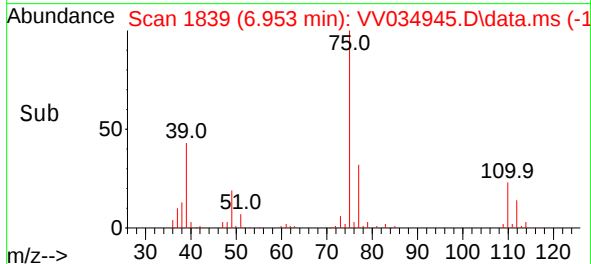
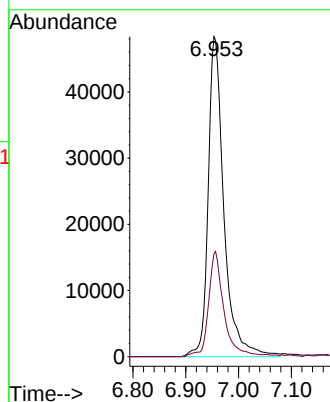
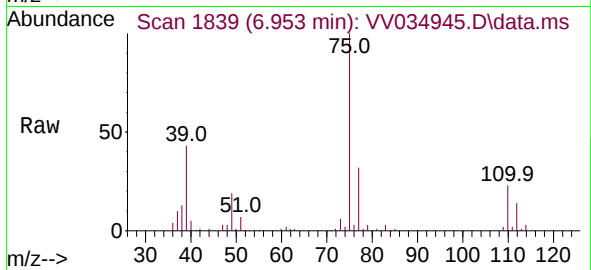




#39
cis-1,3-Dichloropropene
Concen: 5.145 ug/L
RT: 6.953 min Scan# 1839
Delta R.T. -0.003 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

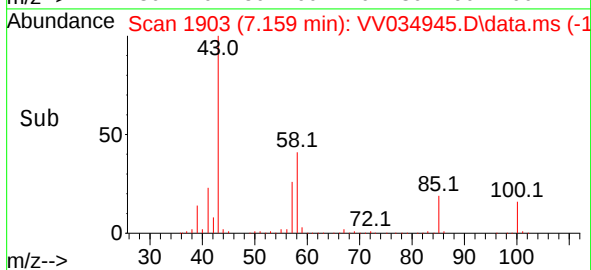
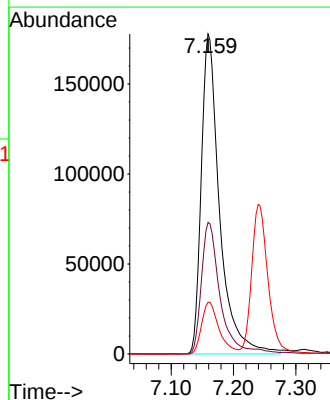
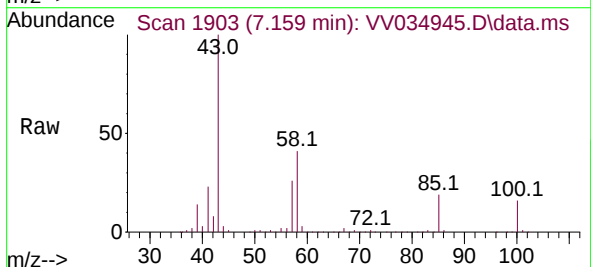
Instrument :
MSVOA_V
ClientSampleId :

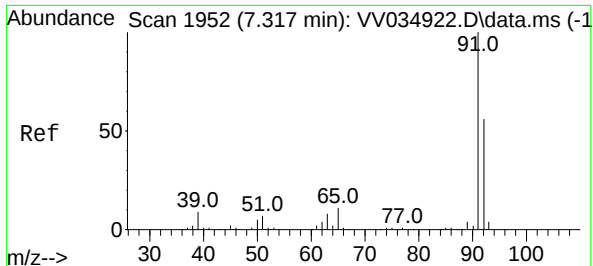
Tgt Ion: 75 Resp: 99992
Ion Ratio Lower Upper
75 100
77 32.1 20.6 38.4



#40
4-Methyl-2-pentanone
Concen: 55.594 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

Tgt Ion: 43 Resp: 362898
Ion Ratio Lower Upper
43 100
58 42.1 33.8 50.6
100 15.5 11.9 17.9





#42

Toluene

Concen: 5.479 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

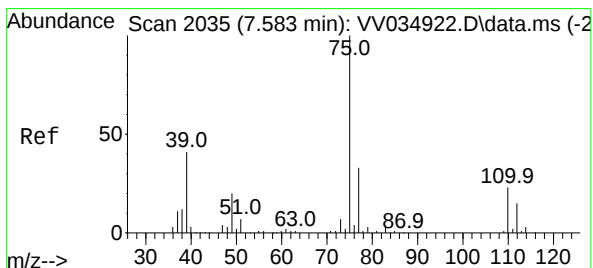
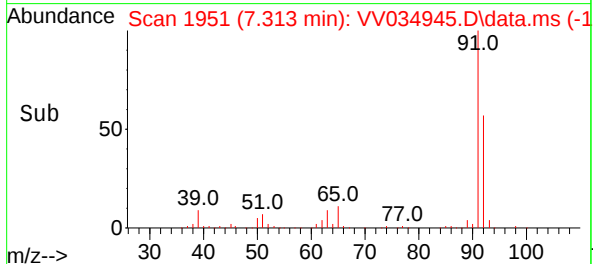
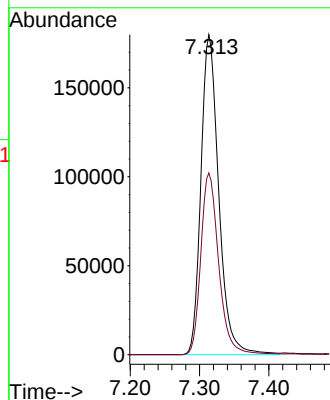
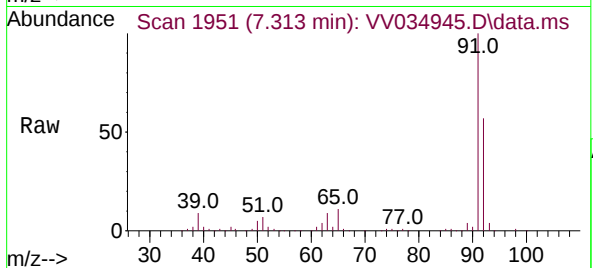
ClientSampleId :

Tgt Ion: 91 Resp: 321365

Ion Ratio Lower Upper

91 100

92 56.8 38.9 72.2



#44

trans-1,3-Dichloropropene

Concen: 5.246 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV034945.D

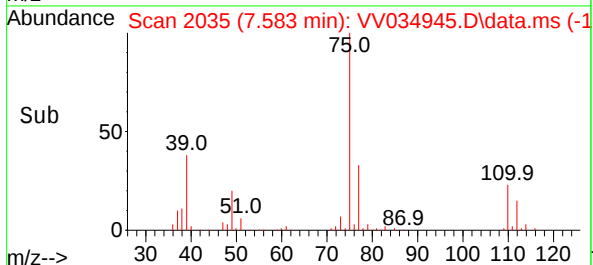
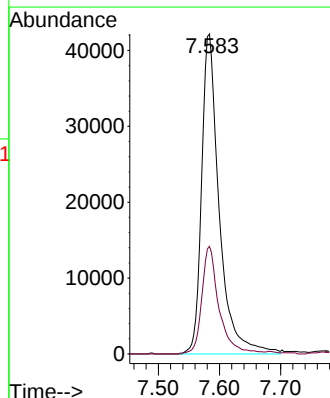
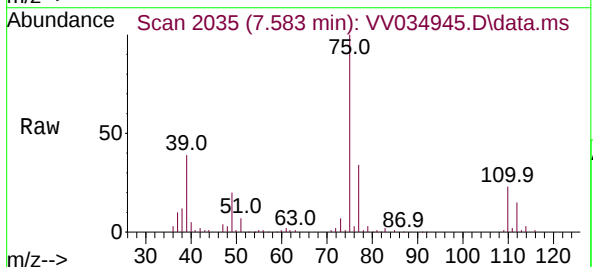
Acq: 03 Apr 2024 09:27

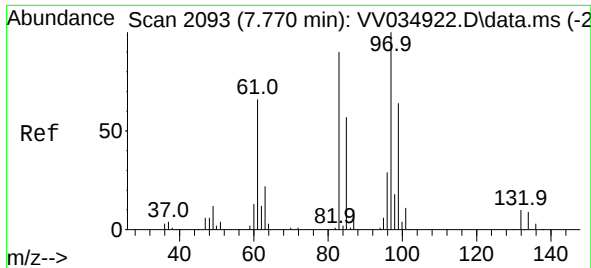
Tgt Ion: 75 Resp: 84519

Ion Ratio Lower Upper

75 100

77 33.7 22.7 42.3

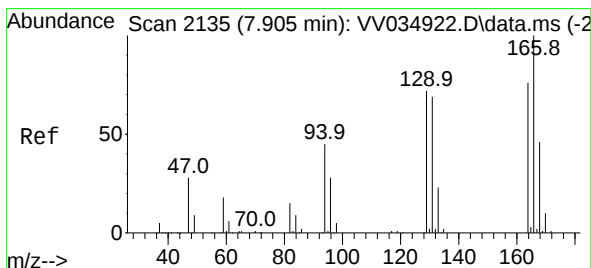
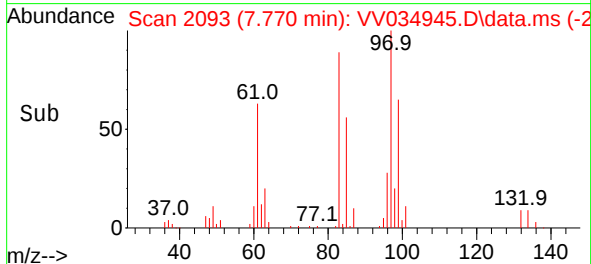
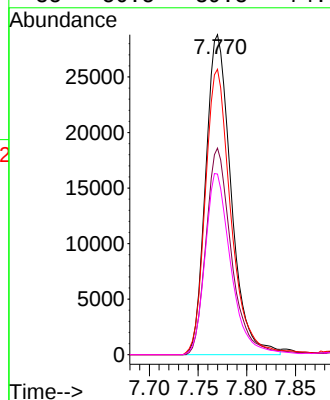
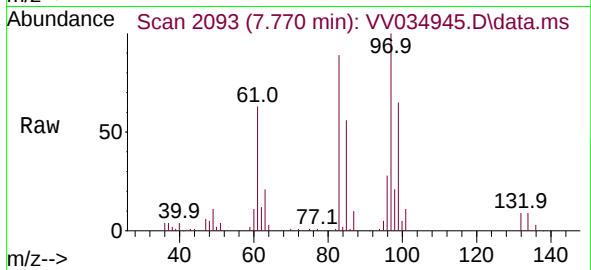




#45
1,1,2-Trichloroethane
Concen: 5.510 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

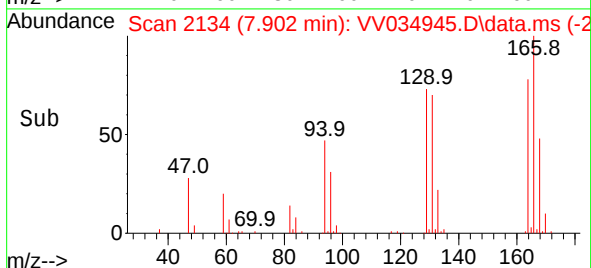
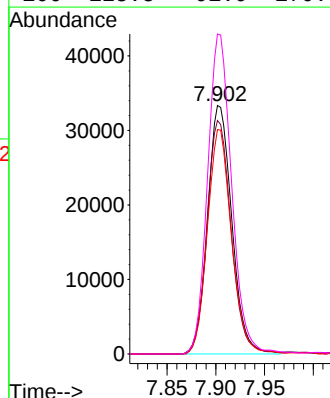
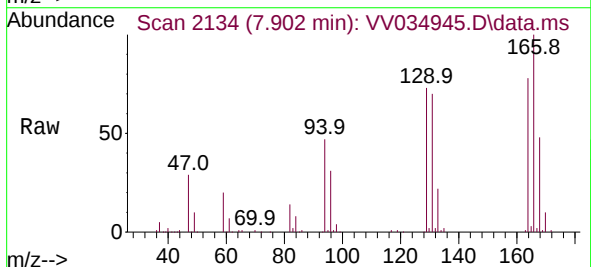
Instrument :
MSVOA_V
ClientSampleId :

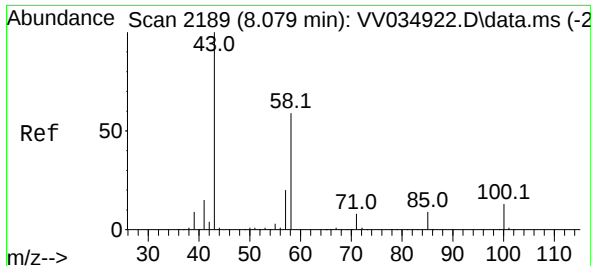
Tgt Ion:	97	Resp:	52379
Ion	Ratio	Lower	Upper
97	100		
99	64.5	44.5	82.7
83	89.2	63.2	117.4
85	56.5	39.8	74.0



#47
Tetrachloroethene
Concen: 5.274 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.003 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

Tgt Ion:	164	Resp:	57602
Ion	Ratio	Lower	Upper
164	100		
129	94.0	66.0	122.6
131	90.3	63.0	117.0
166	128.8	91.9	170.7





#48

2-Hexanone

Concen: 54.242 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 267298

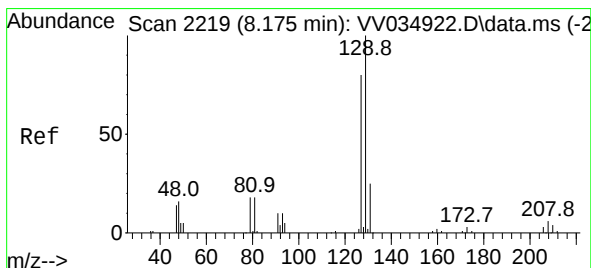
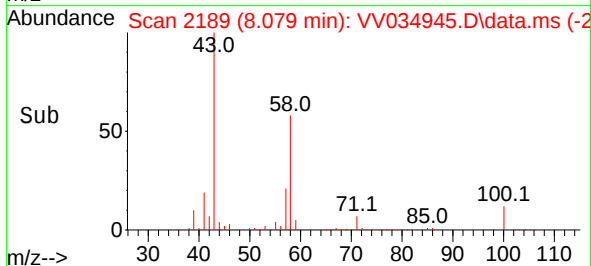
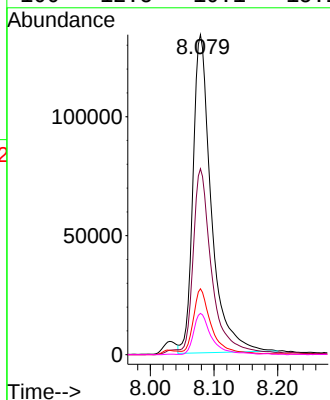
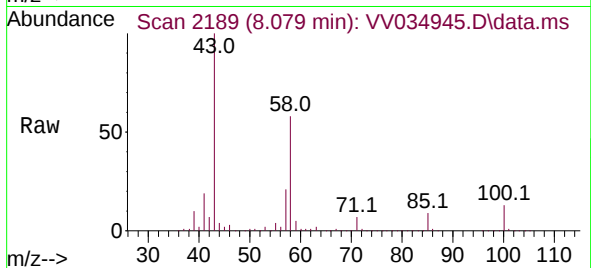
Ion Ratio Lower Upper

43 100

58 61.4 48.2 72.4

57 19.8 15.6 23.4

100 12.5 10.1 15.1



#49

Dibromochloromethane

Concen: 5.536 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.000 min

Lab File: VV034945.D

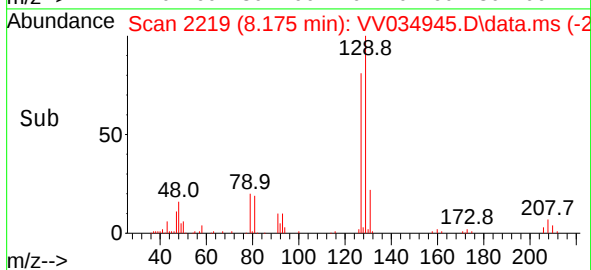
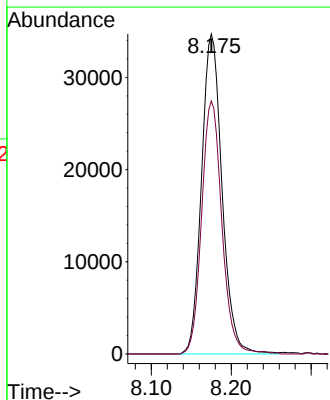
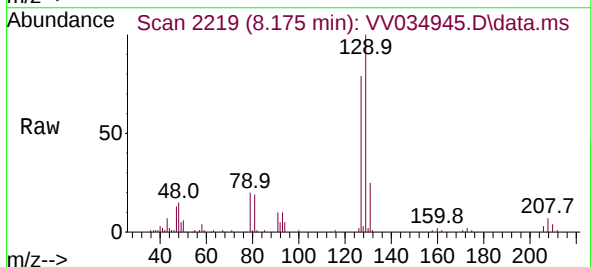
Acq: 03 Apr 2024 09:27

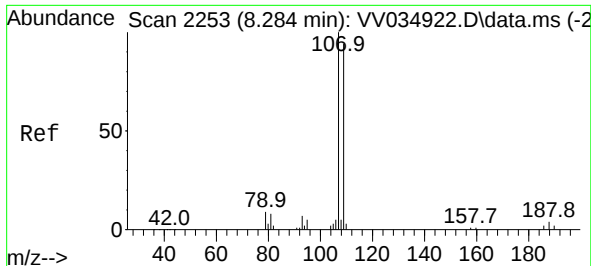
Tgt Ion: 129 Resp: 61945

Ion Ratio Lower Upper

129 100

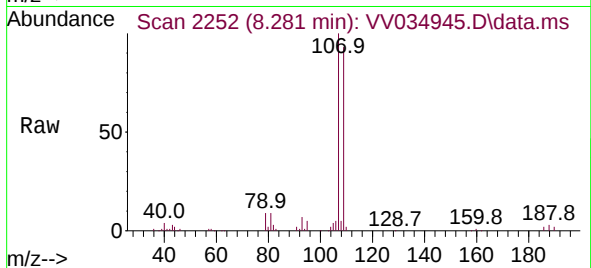
127 79.1 56.4 104.7



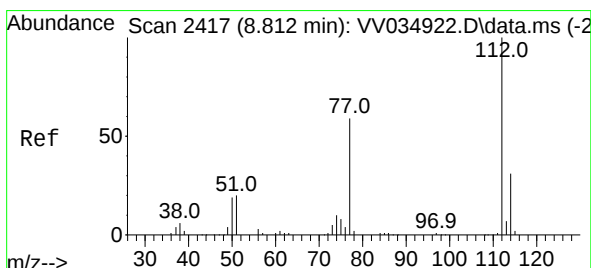
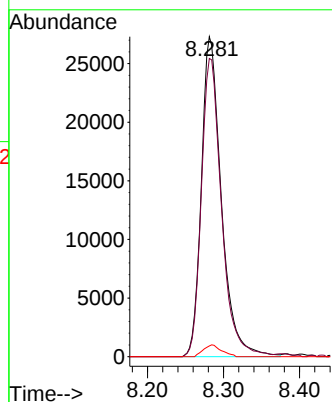
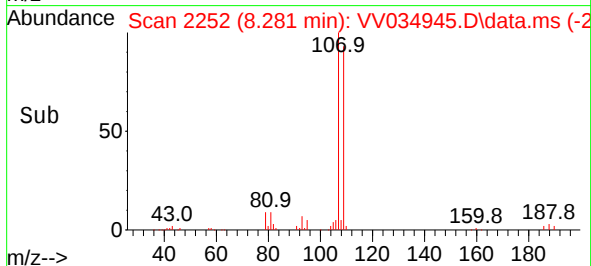


#50
1,2-Dibromoethane
Concen: 5.578 ug/L
RT: 8.281 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

Instrument :
MSVOA_V
ClientSampleId :

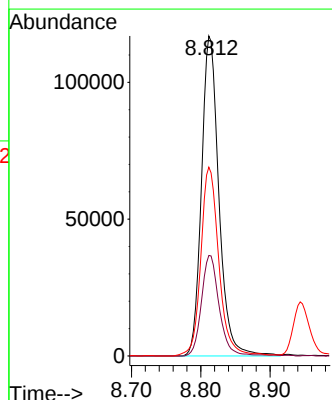
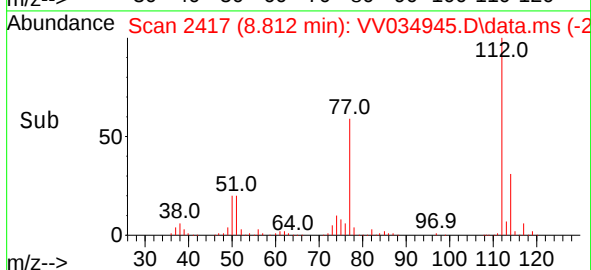
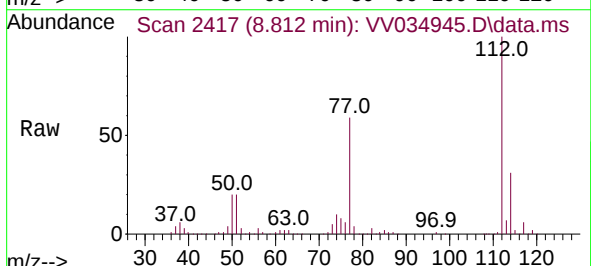


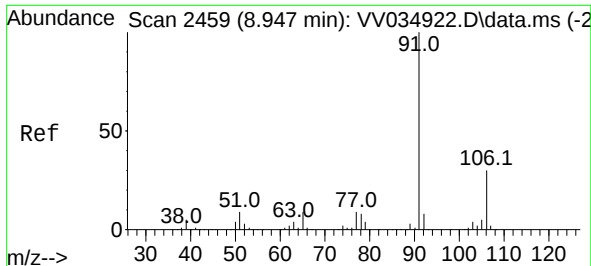
Tgt Ion:107 Resp: 49918
Ion Ratio Lower Upper
107 100
109 93.2 66.1 122.8
188 3.4 3.2 4.8



#51
Chlorobenzene
Concen: 5.397 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

Tgt Ion:112 Resp: 204510
Ion Ratio Lower Upper
112 100
114 31.4 21.9 40.7
77 59.0 47.4 71.2





#52

Ethylbenzene

Concen: 5.368 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. -0.003 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

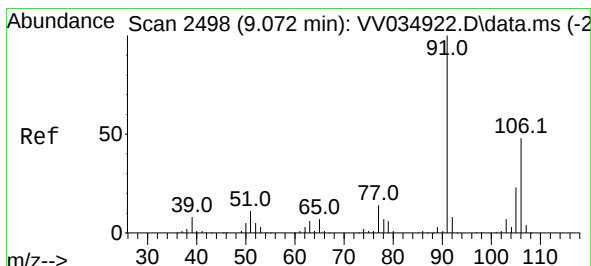
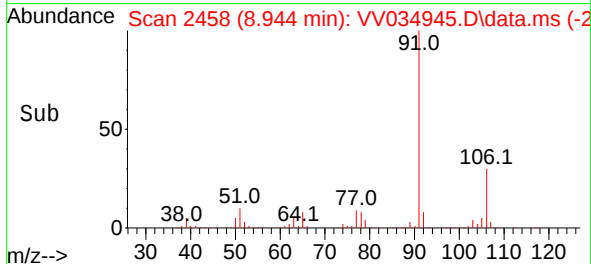
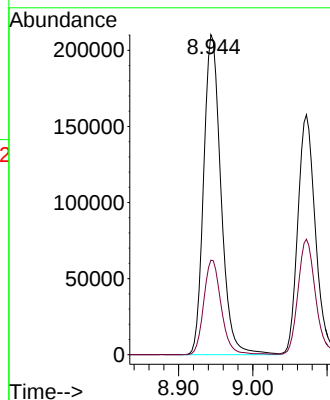
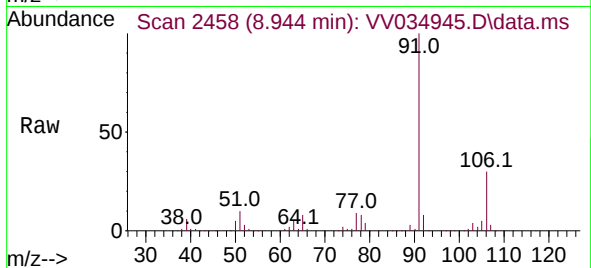
ClientSampleId :

Tgt Ion: 91 Resp: 340044

Ion Ratio Lower Upper

91 100

106 29.5 21.2 39.4



#53

m,p-Xylene

Concen: 5.320 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.000 min

Lab File: VV034945.D

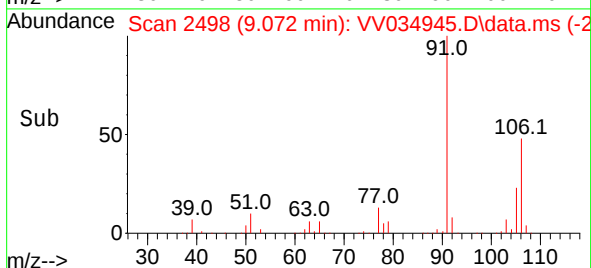
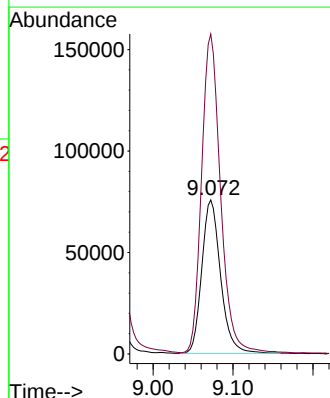
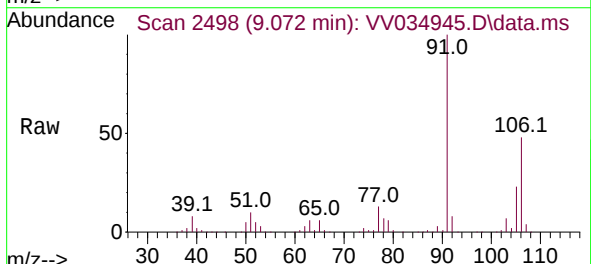
Acq: 03 Apr 2024 09:27

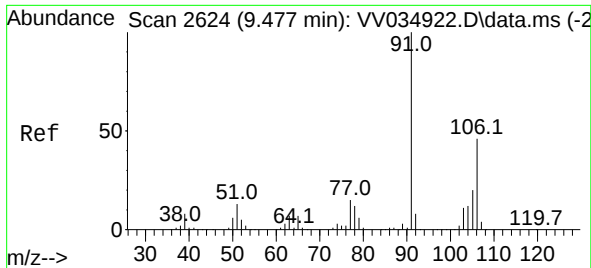
Tgt Ion: 106 Resp: 123757

Ion Ratio Lower Upper

106 100

91 207.7 145.7 270.7

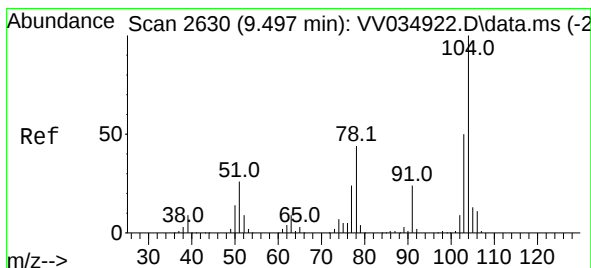
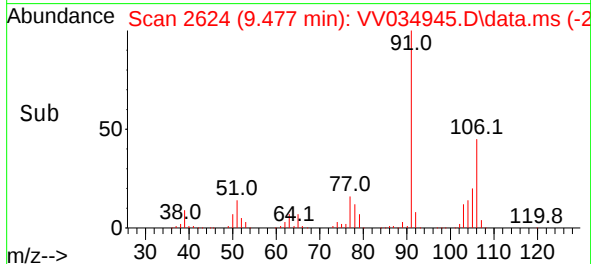
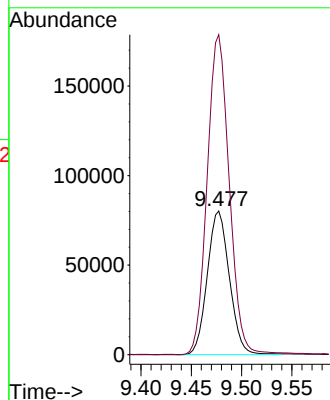
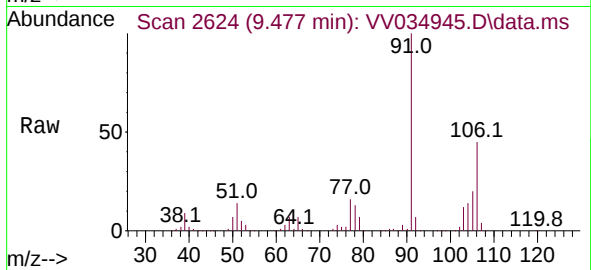




#54
o-Xylene
Concen: 5.377 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

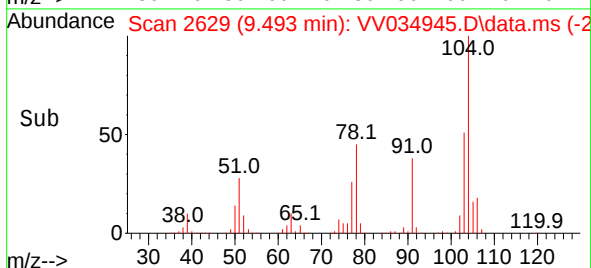
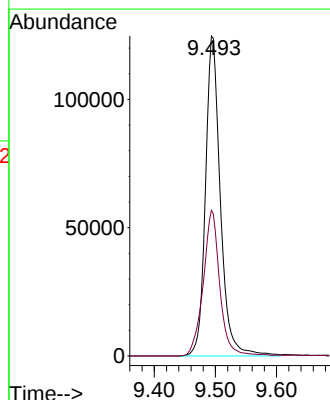
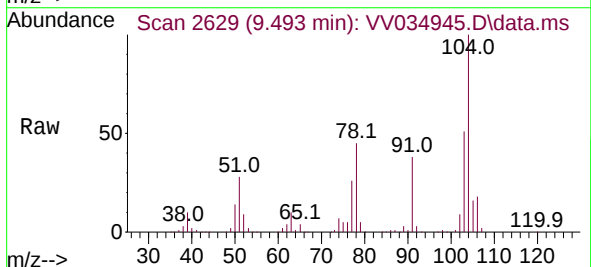
Instrument :
MSVOA_V
ClientSampleId :

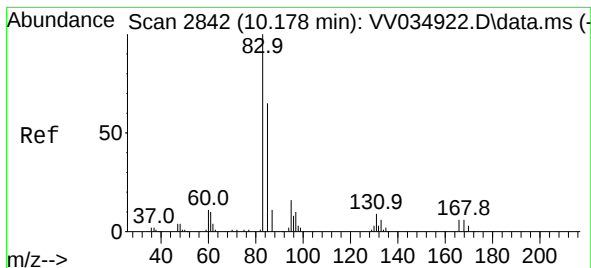
Tgt Ion:106 Resp: 122716
Ion Ratio Lower Upper
106 100
91 222.8 151.2 280.8



#55
Styrene
Concen: 5.768 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.003 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

Tgt Ion:104 Resp: 211683
Ion Ratio Lower Upper
104 100
78 45.5 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.406 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

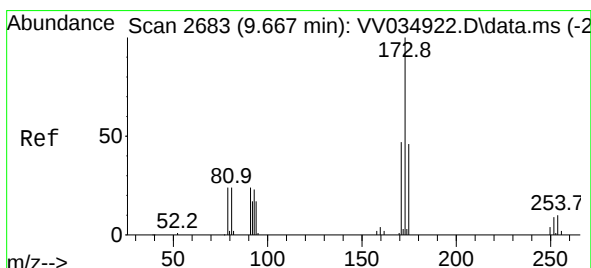
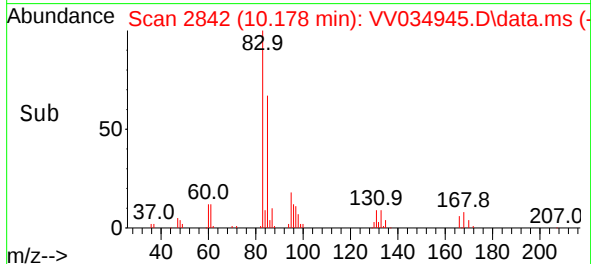
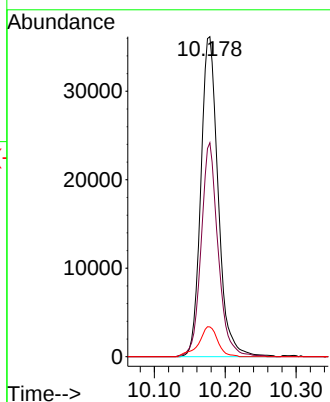
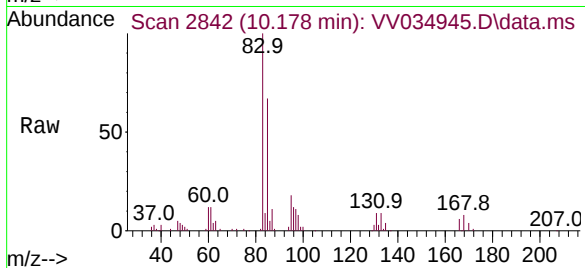
Tgt Ion: 83 Resp: 61421

Ion Ratio Lower Upper

83 100

85 66.8 45.7 84.9

131 9.3 7.6 11.4



#59

Bromoform

Concen: 5.852 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

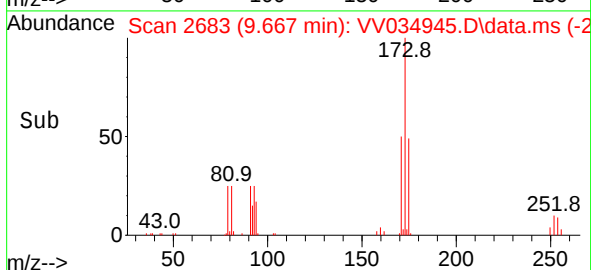
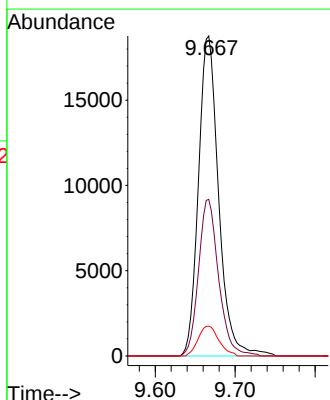
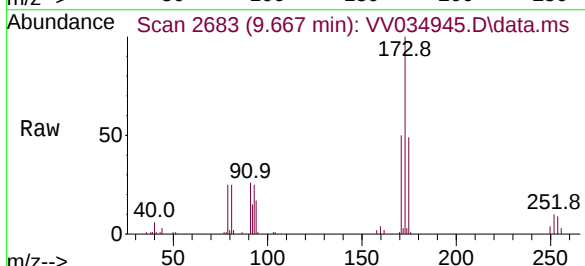
Tgt Ion: 173 Resp: 32978

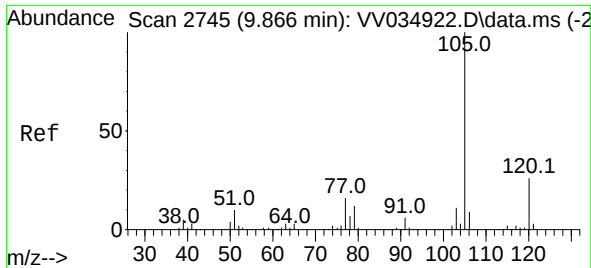
Ion Ratio Lower Upper

173 100

175 48.7 37.8 56.8

254 9.6 7.8 11.6

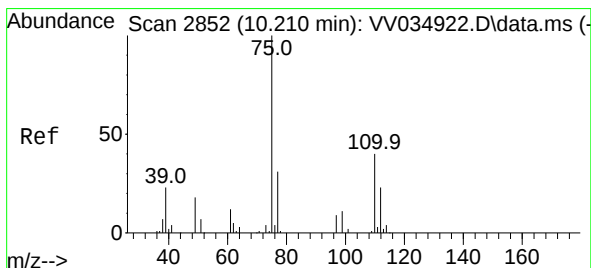
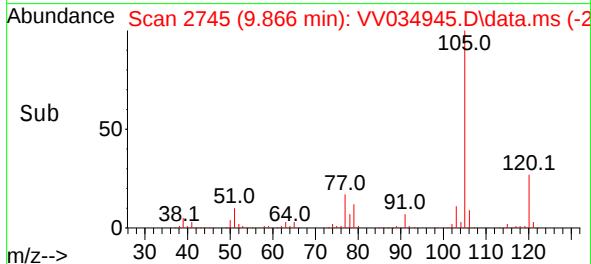
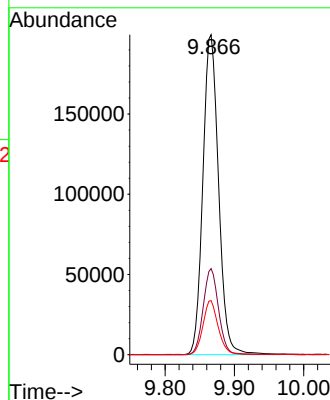
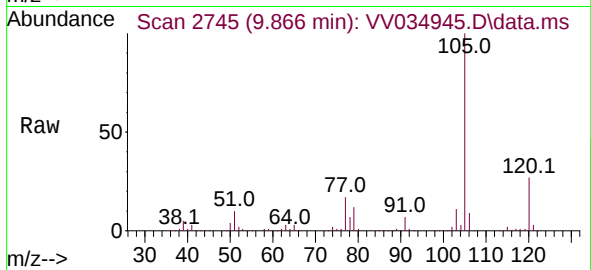




#60
Isopropylbenzene
Concen: 5.536 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

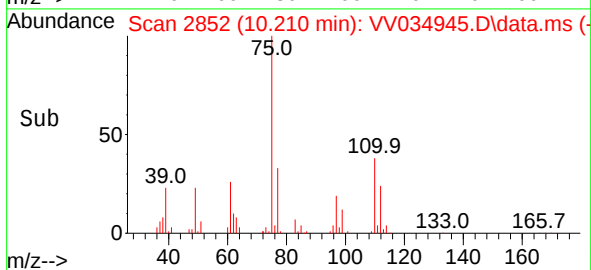
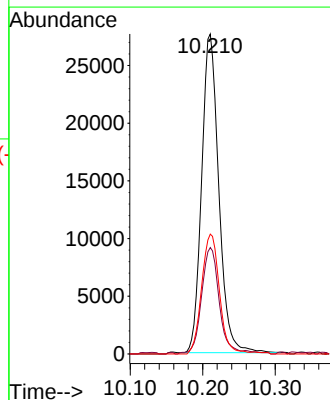
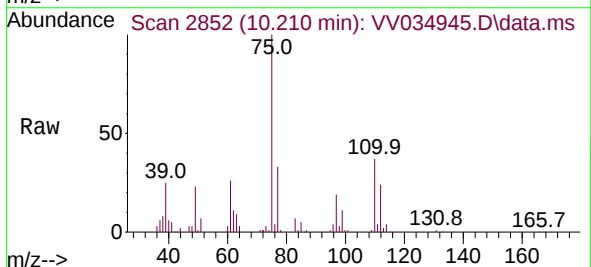
Instrument :
MSVOA_V
ClientSampleId :

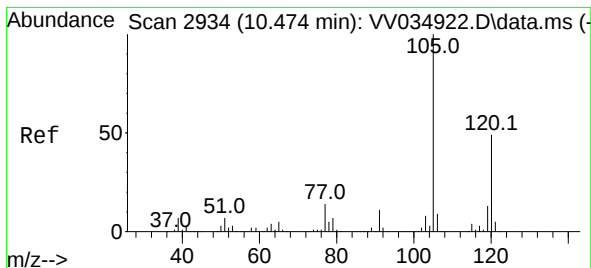
Tgt Ion:105 Resp: 313730
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.4
77 16.2 13.4 20.2



#61
1,2,3-Trichloropropane
Concen: 5.367 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV034945.D
Acq: 03 Apr 2024 09:27

Tgt Ion: 75 Resp: 45424
Ion Ratio Lower Upper
75 100
77 34.0 24.8 37.2
110 38.8 31.0 46.6





#62

1,3,5-Trimethylbenzene

Concen: 5.300 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

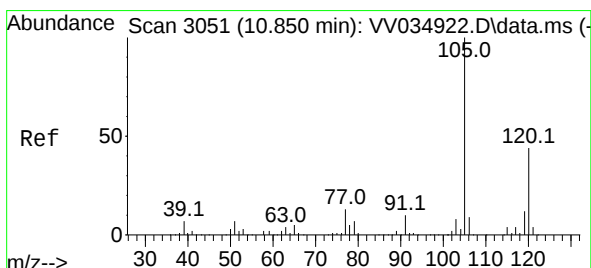
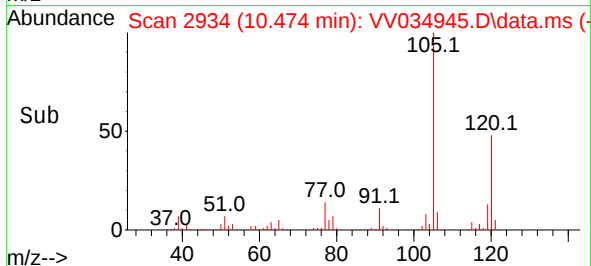
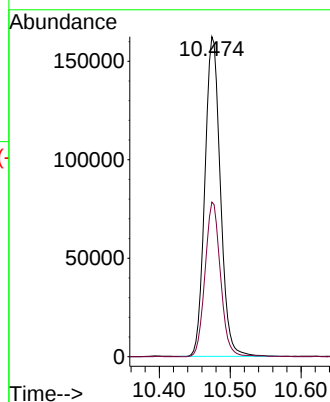
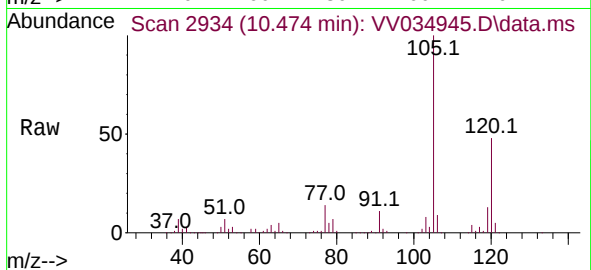
ClientSampleId :

Tgt Ion:105 Resp: 246720

Ion Ratio Lower Upper

105 100

120 48.2 39.2 58.8



#63

1,2,4-Trimethylbenzene

Concen: 5.495 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV034945.D

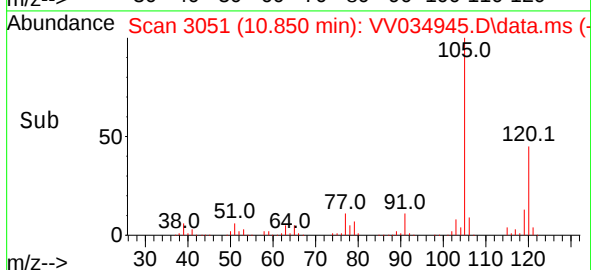
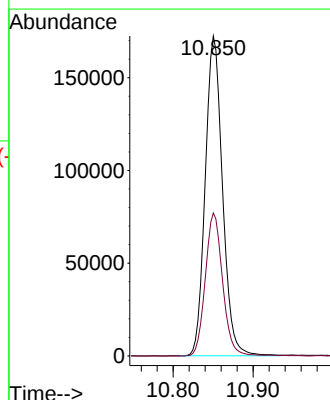
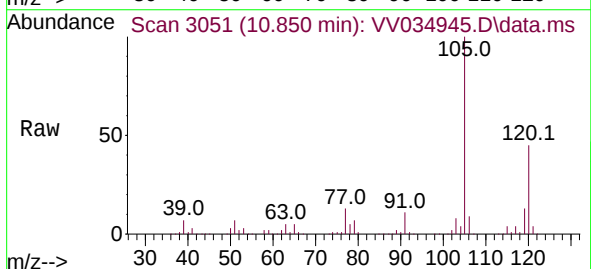
Acq: 03 Apr 2024 09:27

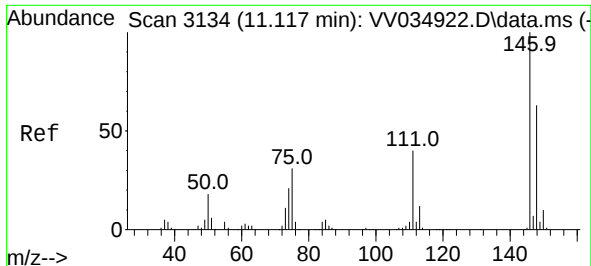
Tgt Ion:105 Resp: 259518

Ion Ratio Lower Upper

105 100

120 44.6 35.8 53.8





#64

1,3-Dichlorobenzene

Concen: 5.433 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

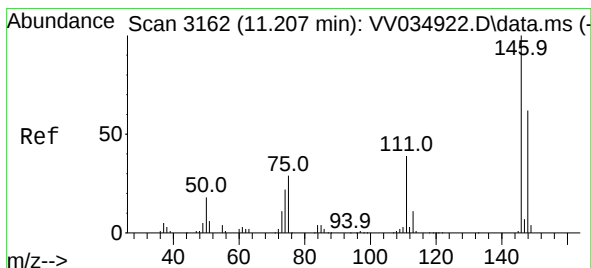
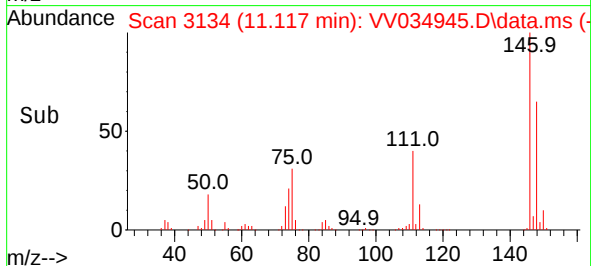
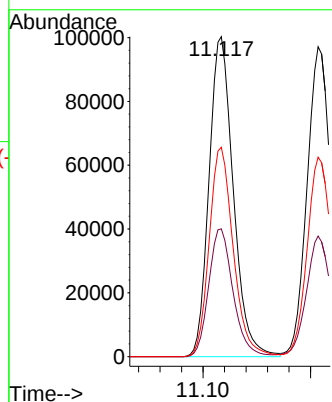
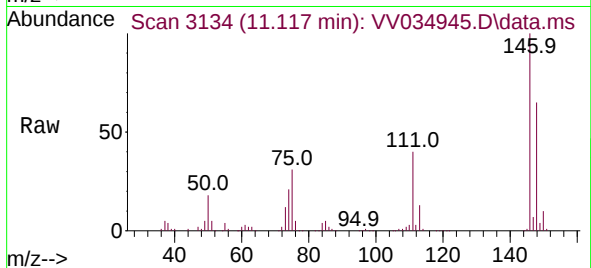
Tgt Ion:146 Resp: 157130

Ion Ratio Lower Upper

146 100

111 40.0 27.7 51.5

148 65.5 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 5.433 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

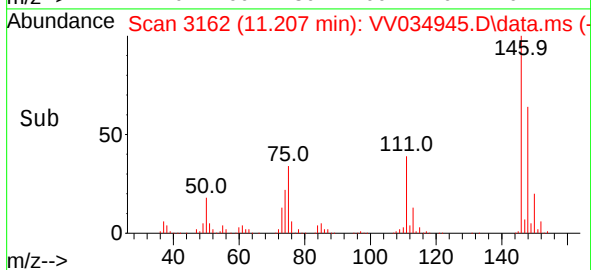
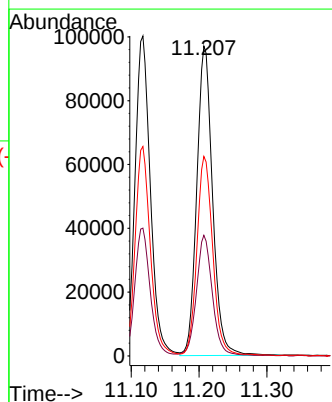
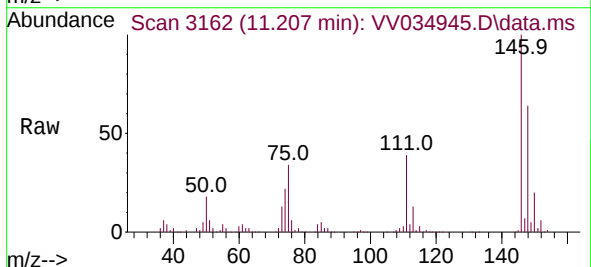
Tgt Ion:146 Resp: 157380

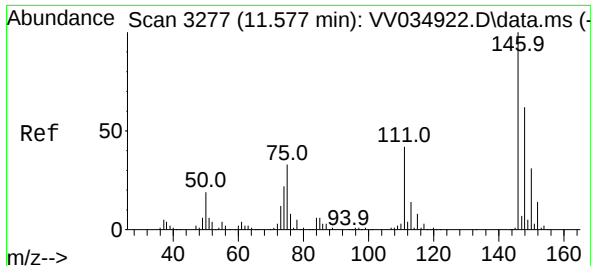
Ion Ratio Lower Upper

146 100

111 38.9 27.3 50.7

148 64.4 43.5 80.7





#67

1,2-Dichlorobenzene

Concen: 5.495 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

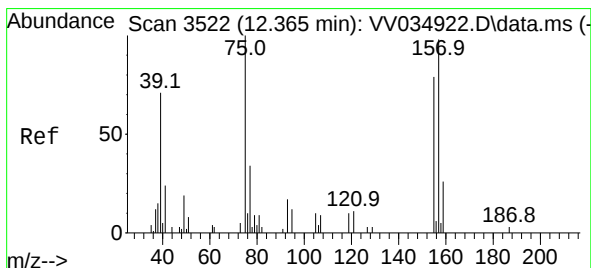
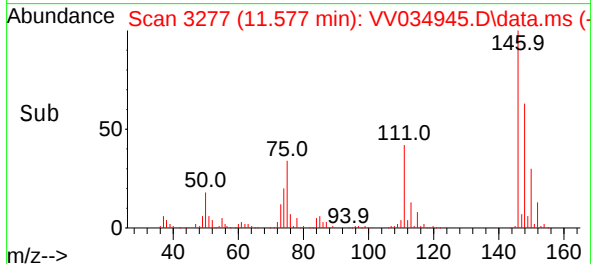
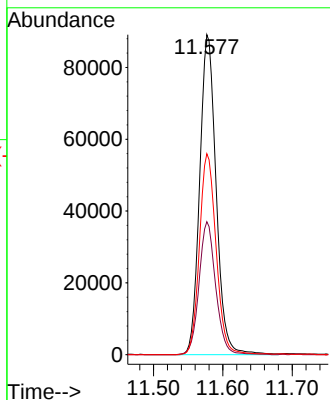
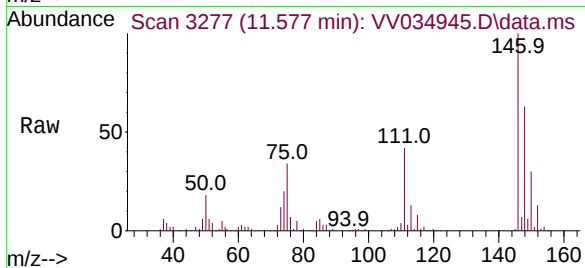
Tgt Ion:146 Resp: 146816

Ion Ratio Lower Upper

146 100

111 41.5 33.9 50.9

148 62.8 49.3 73.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.387 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

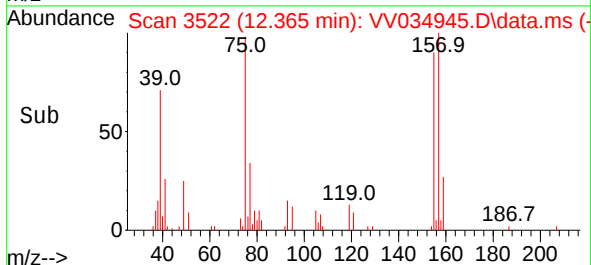
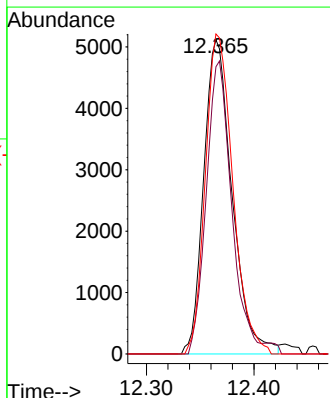
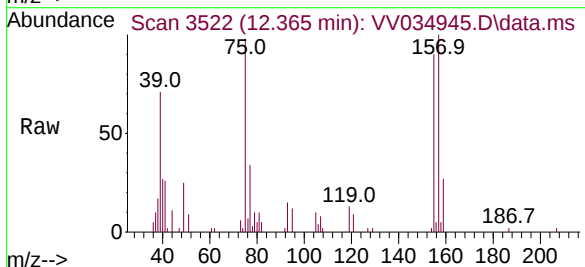
Tgt Ion: 75 Resp: 9373

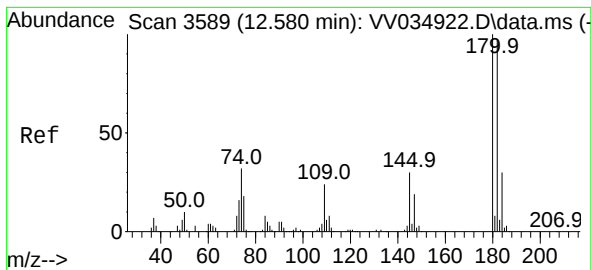
Ion Ratio Lower Upper

75 100

155 91.5 63.4 95.0

157 101.9 78.6 117.8





#69

1,3,5-Trichlorobenzene

Concen: 5.173 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

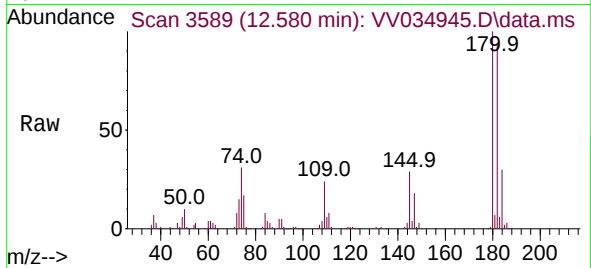
Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 112340

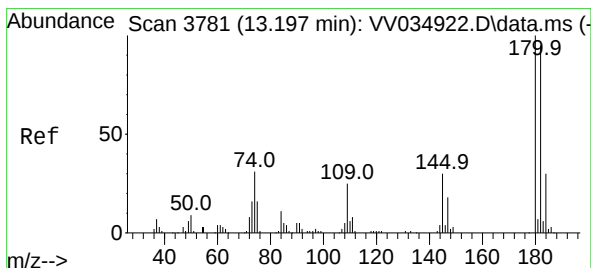
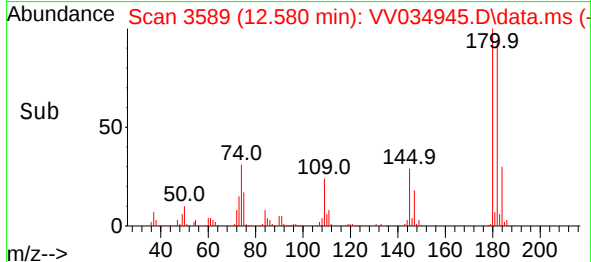
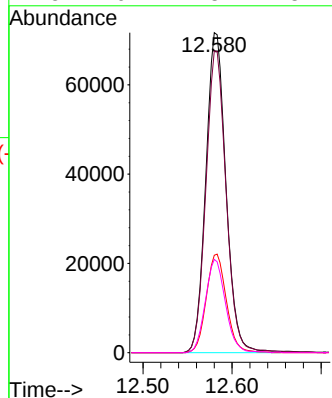
Ion Ratio Lower Upper

180 100

182 95.1 77.3 115.9

184 30.8 24.1 36.1

145 29.1 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 5.812 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

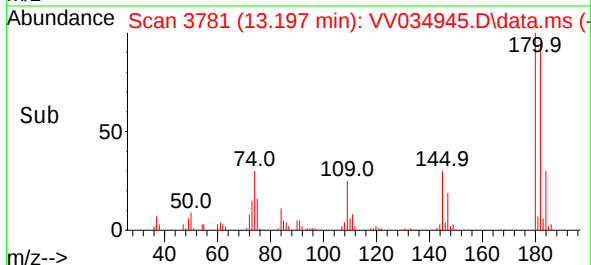
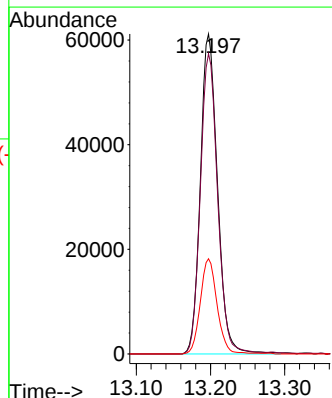
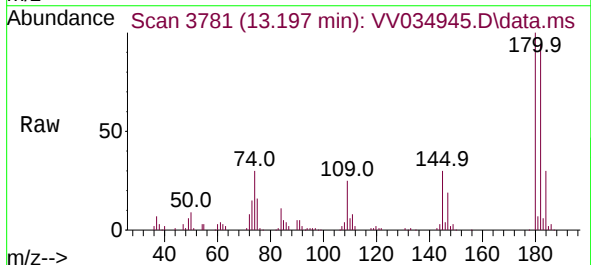
Tgt Ion:180 Resp: 98042

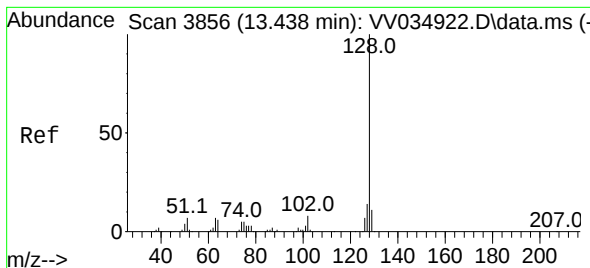
Ion Ratio Lower Upper

180 100

182 94.5 75.3 112.9

145 29.1 23.4 35.0





#71

Naphthalene

Concen: 5.748 ug/L

RT: 13.438 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Instrument :

MSVOA_V

ClientSampleId :

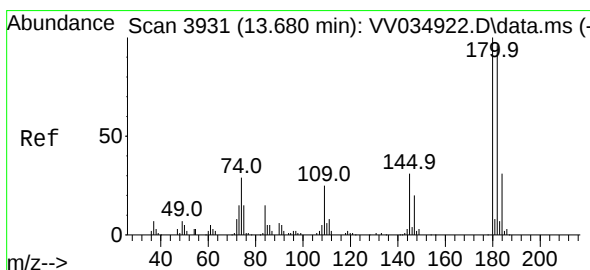
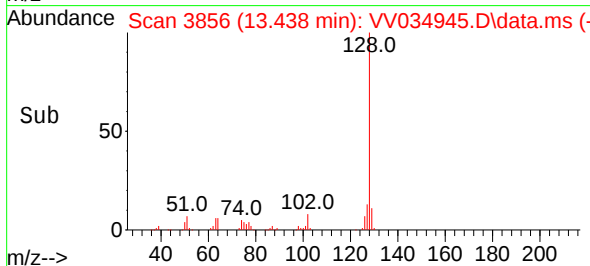
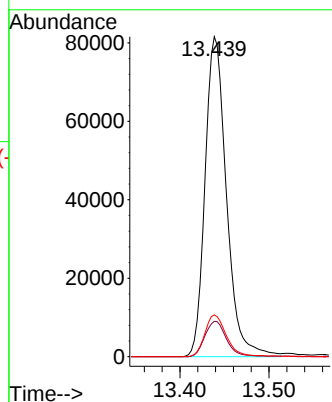
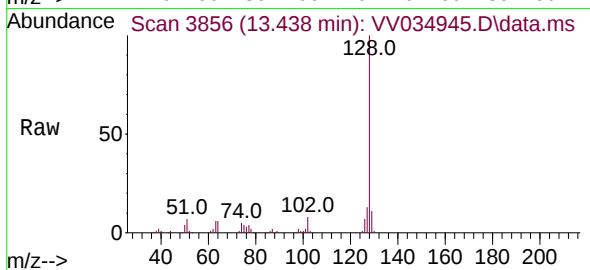
Tgt Ion:128 Resp: 136261

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

127 12.9 10.7 16.1



#72

1,2,3-Trichlorobenzene

Concen: 5.747 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV034945.D

Acq: 03 Apr 2024 09:27

Tgt Ion:180 Resp: 85262

Ion Ratio Lower Upper

180 100

182 95.1 77.0 115.4

145 31.6 25.4 38.2

